

EPA Contract Number
68-W98-085

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92U-7200-001

Chemical Screening Report for the RCRA PBT List Docket

Final Report

September 30, 1998

Prepared for

**Office of Solid Waste
U.S. Environmental Protection Agency
401 M St., SW (5302W)
Washington, DC 20460**

Prepared by

Center for Environmental Analysis
Research Triangle Institute
Research Triangle Park, NC 27709

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Table of Contents

	Page
1.0 Introduction	1
2.0 Background	1
3.0 Screening Methodology	2
3.1 Screen 1: Banned Chemicals	3
3.2 Screen 2: Waste Quantities	3
3.3 Chemical Categories	6
4.0 RCRA Relevance and TRI Measurability	6
5.0 Data Preference Indicator	8
6.0 Summary	8
7.0 References	9

Tables

1 Banned and Restricted Use Pesticides in the United States	4
2 Polycyclic Aromatic Hydrocarbons	7
3 PCBs and Dioxins	7

Appendices

A OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program	A-1
B Matrices for Candidate Chemicals	B-1
C Processing of TRI Data for Evaluation of the Quantity Criterion	C-1

1.0 Introduction

EPA's Office of Solid Waste is developing the RCRA Waste Minimization List of Persistent, Bioaccumulative, and Toxic (PBT) chemicals (hereinafter referred to as the "RCRA PBT List") that will be used to identify and focus waste minimization program initiatives. The RCRA PBT List will also be used to track progress towards the goals of the Waste Minimization National Plan (WMNP) (EPA, 1994) and the Government Performance and Results Act (GPRA) of 1993. RTI is assisting in the selection of candidate chemicals and development of a methodology to rank these chemicals. This report presents the results of screening methods used to reduce the number of candidate chemicals considered for the RCRA PBT List.

Candidate chemicals were selected based on environmental persistence, bioaccumulation potential, and toxicity. The data sources considered in identifying candidate chemicals included the recently revised Waste Minimization Prioritization Tool (WMPT) (EPA, 1998a and 1997a) and a list of toxic chemicals compiled by the Office of International Activities (OIA) and the Office of Pollution Prevention and Toxics (OPPT) (EPA, 1997b) (Appendix A).

The WMPT is used to assign PBT scores to chemicals. Separate PBT scores (which range from 3 to 9) are developed for both human and ecological concern. All chemicals with a PBT score of 7 or more for human or ecological concern were included among the candidate chemicals. Other candidate chemicals were added from OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations. These lists were combined to create the initial candidate chemical list of 694 chemicals (Appendix B). This was almost twice the number of candidate chemicals (349) identified before the WMPT was revised.

Candidate chemicals in Appendix B are sorted by PBT score and alphabetically within PBT scores. Therefore, candidate chemicals that were not identified from the WMPT are easily identified in Appendix B as those chemicals with PBT scores less than 7 or without a PBT score. Eighteen (18) candidate chemicals have a PBT score of less than 7 and 16 candidate chemicals do not have a PBT score. Therefore, of the 694 initial candidate chemicals selected, 660 were identified from the WMPT and 34 were identified from the OIA list.

2.0 Background

The WMNP (EPA, 1994) is based on the premise that pollution prevention efforts should be based on risk concerns, that there should be flexibility in the implementation of pollution prevention activities, and that pollutant reductions should be on a multi-media basis with no transfers of pollutants across media. The WMNP established three national goals for

minimization of “constituents in hazardous waste, or the compounds they degrade to, that pose potential threats to human health and the environment” because they are persistent, bioaccumulative, and toxic:

- To reduce, as a nation, the presence of the most persistent, bioaccumulative, and toxic constituents in hazardous wastes by 25% by the year 2000 and by 50% by the year 2005 (in general, 1991 has been selected by EPA as the base year for comparison).
- To avoid transferring these constituents across environmental media.
- To ensure that these constituents are reduced at their source, whenever possible, or, when not possible, that they are recycled in an environmentally sound manner.

The WMNP created a fundamental shift of focus away from hazardous waste streams to specific chemical constituents within those wastes. The 50% reduction goal has been incorporated into the EPA’s GPRA commitments.

EPA is developing the RCRA PBT List of chemicals that will be used to identify and focus waste minimization program initiatives and to track progress towards the WMNP goals. The selection of chemicals for the RCRA PBT List is intended to be a structured and objective approach for assessing each chemical.

3.0 Screening Methodology

Three primary screening criteria were identified by EPA for use in reducing the number of candidate chemicals. These criteria include:

1. Eliminate canceled pesticides and chemicals banned from production which are not known to have other uses or sources,
2. Eliminate chemicals which do not have a waste quantity greater than zero in either the Toxics Release Inventory (TRI) (EPA, 1997c) data (1991 or 1995) or the final National Hazardous Waste Constituent Survey (NHWCS) (EPA, 1998b).
3. Eliminate chemicals with a toxicity score (T) of 1.

In addition to these primary screening criteria, the candidate chemicals were evaluated for “RCRA relevance,” “measurability,” and the preference level for the source of toxicity data used in the PBT score.

Three Matrix tables (Appendix B) were completed according to specifications from EPA. Matrix 1 contains all 694 candidate chemicals including the CAS number, chemical name, 1991 TRI quantity, 1995 TRI quantity, NHWCS quantity, RCRA relevance, measurability, P score, B score, human T score, ecological T score, human PBT score, ecological PBT score, maximum PBT score, data quality or preference indicator, banned chemical, and use/source information.

The use/source information column is incomplete because this task was originally conducted for the 349 candidate chemicals identified before the WMPT was revised. Many of the original 349 candidate chemicals were not in the revised list. Use/source information was not collected for the 300+ chemicals that were added after the WMPT was revised. Matrix 2 includes only the candidate chemicals that passed the banned chemical and waste quantity screens, and Matrix 3 contains the chemicals that did not pass the banned chemical and waste quantity screens. None of the candidate chemicals had a T score of 1.

3.1 Screen 1: Banned Chemicals

Chemicals that have been banned from production and commerce in the United States were eliminated because these chemicals are not conducive to further waste minimization efforts. A list of banned pesticides was obtained from the Office of Pesticide Programs at www.epa.gov/oppfead1/international/piclist.htm. This list contained 48 pesticides with an additional 6 pesticides that were severely restricted (Table 1). The severely restricted pesticides were not screened out of the candidate chemical list. These included carbofuran, heptachlor, and tributyltin compounds. In addition, The USEPA/OPP Chemical Ingredients Database at www.cdpr.ca.gov/docs/epa/epachem.htm was queried to identify pesticides that are not currently listed as ingredients in commercial products. Twenty-nine banned chemicals were identified and are indicated with a “Y” in the Banned Chemical column of Matrix 1 and Matrix 3. Although PCBs have been banned, they were not eliminated as candidate chemicals because PCBs are still in use, they continue to occur in the nation’s hazardous waste, and are reported on TRI.

3.2 Screen 2: Waste Quantities

The NHWCS and TRI were selected as sources for waste quantities of candidate chemicals. The NHWCS was a one-time survey of waste management facilities conducted in 1996 by EPA to develop a better understanding of the constituents found in hazardous waste. The NHWCS provides constituent concentration data for RCRA hazardous waste streams. The survey sample set was designed to cover facilities managing over 90 percent of the following wastes: total waste, listed waste, characteristic wastes, mixed listed and characteristic waste, non-waste waters, and combusted wastes. The survey was sent to 221 treatment, storage, and disposal facilities (TSDFs) (including pretest facilities) and survey responses included 727 waste constituents. The NHWCS data file “*CHEMSUM.WK4*” was furnished by EPA on June 3, 1998 and waste quantity information for candidate chemicals was entered in Matrices 1, 2, and 3.

TRI includes data on chemicals in wastes as managed (i.e. release, energy recovery, recycling, treatment). Initially TRI covered about 300 specific chemicals and facilities meeting threshold requirements in SIC 20-39. Effective with the 1995 reporting year, TRI was expanded to cover more than 600 chemicals. Reporting is limited to facilities with 10 or more full time employee equivalents that manufacture or process more than 25,000 lbs of a chemical or otherwise use more than 10,000 lbs. Data are self-reported annually by the industry on an individual facility basis. TRI reports include a production/activity index for each reported chemical. Data are also collected on quantities of chemical recycled (on-site and off-site) and source reduction activities. The portion of reported chemical generation and releases relevant to RCRA hazardous wastes must be inferred.

Table 1. Banned and Restricted Use Pesticides in the United States

Banned Pesticides	CAS Number(s)
Aldrin	309-00-2
Benzene hexachloride (BHC)	58-89-9
Bromoxynil butyrate	3861-41-4
2,3,4,5-bis(2-Butylene)tetrahydro-2-furaldehyde	None identified
Cadmium compounds	7440-43-9
Calcium arsenate	7778-44-1
Captafol	2939-80-2
Carbon tetrachloride	56-23-5
Chloranil	118-75-2
Chlordane	57-74-9
Chlordecone	143-50-0
Chlordimeform	6164-98-3
Chlorobenzilate	510-15-6
Chloromethoxypropylmercuric acetate (CPMA)	1319-86-4
Copper arsenate	16102-92-4
Cyhexatin	13121-70-5
DBCP	96-12-8
DDT	50-29-3
Di(phenylmercury)dodecenylsuccinate (PMDS)	27236-65-3
Dieldrin	60-57-1
Dinoseb and salts	88-85-7
EDB	106-93-4
Endrin	72-20-8
EPN	2104-64-5
Ethyl hexyleneglycol (6-12)	94-96-2
Hexachlorobenzene (HCB)	118-74-1
Lead arsenate	7645-25-2
Leptophos	21609-90-5
Mercuric chloride (mercury dichloride)	33631-63-9
Mercurous chloride (mercury chloride)	10112-91-1
Mevinphos	7786-34-7
Mirex	2385-85-5
Monocrotophos	2157-98-4
Nitrofen (TOK)	1836-75-5
OMPA (octamethylpyrophosphoramide)	152-16-9
Phenylmercuric oleate (PMO)	104-60-9
Phenylmercury acetate (PMA)	62-38-4
Potassium 2,4,5-trichlorophenate (2,4,5-TCP)	35471-43-3
Pyriminil (Vacor)	53558-25-1
Safrole	94-59-7
Silvex	93-72-1

(continued)

Table 1. (continued)

Banned Pesticides	CAS Number(s)
Sodium arsenite	7784-46-5
TDE	72-54-8
Terpene polychlorinates (Strobane)	8001-50-1
Thallium sulfate	7446-18-6
Toxaphene	8001-35-2
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	93-76-5
Vinyl chloride	75-01-4
Restricted Use	
Arsenic trioxide	1327-53-3
Carbofuran	1563-66-2
Daminozide	1596-84-5
Heptachlor	76-44-8
Sodium arsenate	7778-43-0
Tributyltin compounds	7631-89-2 56573-85-4

TRI collects information on chemicals that are handled many different ways, including those:

- Released to air
- Released to water
- Injected underground
- Placed in landfills
- Applied to land
- Placed in surface impoundments
- Used for energy recovery
- Discarded, using other forms of disposal and treatment, including wastes sent to POTWs.

Data elements in TRI can be processed to construct a measure of waste minimization. For the measurement method development, each data element contained in TRI reporting Form R was evaluated as to whether it provided information about releases that are more likely to be regulated by RCRA or are otherwise relevant to hazardous waste minimization trends. TRI data (static

database) were downloaded from EPA's mainframe on July 17, 1997. A detailed description of the TRI waste quantity determination methodology is provided in Appendix C.

Chemicals that were not reported in TRI or the NHWCS, or have zero as the reported waste quantity were eliminated. This was because it would not be possible to measure minimization for chemicals that are not reported or for which a quantity of zero was reported for the base year. Five-hundred ten (510) chemicals were eliminated with this screen (Matrix 3). Matrix 3 also contains the 28 banned chemicals (all pesticides), most of which also did not have waste quantities greater than zero, for a total of 538 chemicals. The candidate chemical list includes the 156 chemicals that passed both screens (Matrix 2).

3.3 Chemical Categories

For reporting purposes, the TRI database includes several broad categories of chemicals. These include various metal categories which are defined as including any unique chemical substance that contains the named metal (e.g., arsenic compounds, lead compounds, etc.). Other chemical categories used to determine waste quantities for candidate chemicals included: polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), nicotine and salts, and cyanide compounds.

Chemicals included in a category were not listed separately. Waste quantities reported for individual chemicals within a category, as well as the category itself, were added to derive the total chemical category quantity. The PAH category in TRI includes only the chemicals listed in Table 2. Other PAH candidate chemicals were listed separately and are identified as "PAH" in the Use/Source Information column in Matrix 1, 2, and 3 and in Table 2.

PCBs formerly were produced and sold in the US as various PCB mixtures. These included Aroclor 1016, 1221, 1232, 1242, 1248, 1254, and 1260 (Table 3). These Aroclor mixtures were scored separately on the WMPT but were consolidated into a single PCB category on the candidate chemical list. The separate Aroclors are not tracked on the TRI but waste quantities for Aroclor 1242, 1248, and 1260 were available on the NHWCS. The chemically related chlorodibenzo-dioxins and dibenzofurans (dioxins) were not grouped into a category and are listed separately as the following chemicals or chemical isomers: 2,3,7,8-tetrachlorodibenzo-p-dioxin; heptachlorodibenzofuran; heptachlorodibenzo-dioxin; hexachlorodibenzofuran; hexachlorodibenzo-p-dioxin; octachlorodibenzofuran; octachlorodibenzo-p-dioxin; pentachlorodibenzofuran; pentachlorodibenzo-p-dioxin, and tetrachlorodibenzo-p-dioxin (Table 3). However, none of the dioxins have waste quantities reported in either the TRI or NHWCS and did not pass the measurability screen.

4.0 RCRA Relevance and TRI Measurability

RCRA relevance and the ability to measure waste reduction were selected as additional criteria to be considered in the final review stage of the selection process. These criteria are important considerations because the purpose of the RCRA PBT list is not just to identify PBT

Table 2. Polycyclic Aromatic Hydrocarbons

PAH Category	CAS #	PAHs Listed Separately	CAS#
Benz(a)anthracene	56553	3-Methylcholanthrene	56495
Benzo(b)fluoranthene	205992	Benzo(a)fluoranthene	203338
Benzo(j)fluoranthene	205823	Benzo(e)pyrene	192972
Benzo(k)fluoranthene	207089	Benzo(g,h,i)perylene	191242
Benzo(rst)pentaphene	189559	Benzofluoranthene	56832736
Benzo(a)phenanthrene	218019	Fluoranthene	206440
Benzo(a)pyrene	50328	Fluorene	86737
Dibenz(a,h)acridine	226368	Perylene	198550
Dibenz(a,j)acridine	224420	Phenanthrene	85018
Dibenzo(a,h)anthracene	53703	Anthracene	120127
7H-Dibenzo(c,g)carbazole	194592	Pyrene	129000
Dibenzo(a,e)fluoranthene	5385751	Acenaphthene	83329
Dibenzo(a,e)pyrene	192654	Benz(c)acridine	225514
Dibenzo(a,h)pyrene	189640		
Dibenzo(a,l)pyrene	191300		
7,12-	57976		
Indeno[1,2,3-cd]pyrene	193395		
5-Methylchrysene	3697243		
1-Nitropyrene	5522430		

Table 3. PCBs and Dioxins

Dioxins/Furans	PBT Score	PCB Mixtures^a	PBT Score
2,3,7,8-Tetrachlorodibenzo-p-dioxin	9	Aroclor 1016	8
Tetrachlorodibenzo-p-dioxin	9	Aroclor 1221	7
Pentachlorodibenzo-p-dioxin	9	Aroclor 1232	7
Hexachlorodibenzo-p-dioxin	9	Aroclor 1242	8
Heptachlorodibenzo-p-dioxin	9	Aroclor 1248	9
Octachlorodibenzo-p-dioxin	9	Aroclor 1254	9
Pentachlorodibenzofuran	9	Aroclor 1260	9
Hexachlorodibenzofuran	9		
Heptachlorodibenzofuran	9		
Octachlorodibenzofuran	9		

^a All Aroclor mixtures were consolidated into a single listing for polychlorinated biphenyls with a PBT score of 9.

chemicals, but to identify PBT chemicals present in the nation's RCRA hazardous waste and to track progress in waste reduction measures. Therefore, whether or not a chemical is a "RCRA" chemical and/or reportable on TRI are relevant issues. The list of chemicals in Matrix 1 was evaluated according to the RCRA relevance and TRI measurability criteria. RCRA relevance was determined by developing a composite list of the 507 RCRA chemicals, WMPT Chemical-RCRA Waste Code Crosswalk chemicals, and the NHWCS chemicals. The list of 507 RCRA chemicals was derived by consolidating "P" listed hazardous waste from 40 CFR 261.33(e), "U" listed waste from 40 CFR 261.33(f), the hazardous constituent list from Appendix VIII 40 CFR 261, and the groundwater monitoring list from Appendix IX 40 CFR 264. The RCRA Waste Code Crosswalk is included in the WMPT and associates chemicals in waste waters and non-waste waters with the RCRA waste code.

The RCRA relevance column in Matrix 1, 2, and 3 contains an "L" if the chemical is on the list of 507 RCRA chemicals; an "X" if it is not on the list of 507 RCRA chemicals but is on the Chemical-Waste Code Crosswalk; and an "S" if the chemical is not included in the RCRA chemical list or Chemical-Waste Code Crosswalk, but is included in the NHWCS. The column is blank if the chemical is not included in any of the above lists. Matrix 1 includes 143, 10, and 27 chemicals with "L", "X", and "S" codes, respectively. Matrix 2 contains 98, 1, and 27 chemicals with "L", "X", and "S" codes, respectively.

Measurability was determined by comparing the candidate chemicals against chemicals currently tracked on TRI. The Measurability column contains "91" if the chemical was on the 1991 TRI list and is still on the list today. A "97" is used to indicate that the chemical was on the 1997 TRI list but not on the 1991 list. All chemicals reportable in 1995 were also reportable in 1997. Matrix 1 includes 102 chemicals that were on the 1991 TRI list and remain on the current list, and 40 additional chemicals that were reportable after 1995 but were not reportable in 1991. Matrix 2 has 82 and 32 chemicals with the "91" and "97" indicators, respectively.

5.0 Data Preference Indicator

The toxicity or "T" score in the WMPT is based on a hierarchy of data sources ranked from highest preference to lowest preference. A "Y" in the Data Preference Indicator column indicates that the highest WMPT subscore (human PBT or ecological PBT score) was based on a "T" score from the lowest data preference level. About 58 percent (402) chemicals had "T" scores based on the lowest preference data (Matrix 1). However, only 25 of the 156 chemicals (~ 16%) in Matrix 2 used the lowest preference data for the "T" score.

6.0 Summary

The number of initial candidate chemicals in this analysis was 694. Three primary screening criteria (banned chemicals, chemicals that did not have a waste quantity greater than zero, and chemicals with a T score of 1) eliminated 538 chemicals from the list of candidate chemicals, leaving 156 chemicals. One-hundred fourteen (114) of these chemicals can be tracked

from the TRI database and 25 of the 156 chemicals were scored based on the lowest preference toxicity data.

7.0 References

40 CFR 261.33(e).

40CFR 261.33(f).

40 CFR 261 Appendix XIII.

40 CFR 264 Appendix IX.

Government Performance and Results Act (GPRA), 1993.

United States Environmental Protection Agency (EPA), 1994. The Waste Minimization National Plan. Office of Solid Waste, Washington, DC. EPA530-R-94-045.

United States Environmental Protection Agency (EPA), 1997a. Waste Minimization Prioritization Tool Beta Test Version 1.0, User's Guide and System Documentation, Draft. Office of Solid Waste and Emergency Response and Pollution Prevention and Toxics, Washington, DC. EPA530-R-97-019.

United States Environmental Protection Agency (EPA), 1997b. OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations. Office of Pollution Prevention and Toxics, Washington, DC. October 31.

United States Environmental Protection Agency (EPA), 1997c. Toxic Release Inventory, 1991 and 1995 reporting year data.

United States Environmental Protection Agency (EPA), 1998a. Revised Waste Minimization Prioritization Tool Data File. Office of Solid Waste, Washington, DC. September.

United States Environmental Protection Agency (EPA), 1998b. National Hazardous Waste Constituent Survey. Office of Solid Waste, Washington, DC.

Appendix A

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
Polychlorinated biphenyls	1336-36-3		X	LEVEL 1		X	112B (HAPs)	NPDWR	304B 307A 311	6A CCCR	110 313	
Arochlor 1016	12674-11-2		X	LEVEL 1		X	112B (HAPs)	NPDWR	304B 307A 311 Priority	6A CCCR	110 313	
Hexachlorobenzene (HCB)	118-74-1		X	LEVEL 1	T U	X	111 112B (HAPs)	NPDWR	304B Priority		110 313	NR FC
Mercury	7439-97-6		X	LEVEL 1	T	X	112B (HAPs)	NPDWR	304B 307A Priority		110 313	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6		X	LEVEL 1		X	112B (HAPs)	NPDWR	304B 307A Priority	6A CCCR MTL	110	FC
Chlordane	57-74-9		X	LEVEL 1	T U	X	112B (HAPs)	NPDWR	304B 307A 311 priority		110 302A 313	NR
DDT,p,p'	50-29-3										110	
Toxaphene	8001-35-2		X	LEVEL 1	P T	X	112B (HAPs)	NPDWR	304B 307A 311 Priority		110 302A 313	NR
Dibenzo[a,h]anthracene	53-70-3		X	LEVEL 2	U	X			304B 307A Priority		110 313	
Benzo[a]anthracene	56-55-3	PARA-4C	X	LEVEL 2	U	X			304B 307A Priority		110 313	

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
Benzo[b]fluoranthene	205-99-2		X	LEVEL 2		X			304B 307A Priority		110 313	
Dieldrin	60-57-1	PARA-4C	X	LEVEL 1	P	X			304B 307A 311 Priority		110	NR
Benzo[a]pyrene	50-32-8	PARA-4C	X	LEVEL 1	U	X		NPDWR	304B 307A Priority		110 313	
Indeno[1,2,3-cd]pyrene	193-39-5		X	LEVEL 2	U	X			304B 307A Priority		110 313	
Benzo[k]fluoranthene	207-08-9	PARA-4C				X			304B 307A Priority		110 313	
Hexachlorocyclohexane, gamma-(Lindane)	58-89-9		X	LEVEL 2	T U	X	112B <u>(HAPs)</u>	NPDWR	304B 311 Priority		110 302A 313	XR
Anthracene	120-12-7	PARA-4C	X	LEVEL 2		X			304B 307A Priority	8D HSDR	110 313	
Phenanthrene	85-01-8	PARA-4C	X	LEVEL 2		X			304B 307A Priority	8A CAIR	110 313	
Benzo[rst]pentaphene	189-55-9		X	LEVEL 2	U	X			307A		313	
7,12-Dimethylbenz[a]anthracene	57-97-6		X	LEVEL 2	U	X			307A		313	
Aldrin	309-00-2			LEVEL 1	P	X			304B 307A 311 Priority		110 302A 313	NR

A-2

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
Mirex	2385-85-5			LEVEL 1								NR
Heptachlor	76-44-8			LEVEL 2	P T	X	112B <u>(HAPs)</u>	NPDWR	304B 307A 311 Priority		110 313	X/R
Dibenz[a,h]acridine	226-36-8		X	LEVEL 2					304B		313	
Dibenzo[a,h]pyrene	189-64-0		X	LEVEL 2							313	
Dibenzo[a,j]acridine	224-42-0		X	LEVEL 2							313	
Dibenzo[a,e]pyrene	192-65-4		X	LEVEL 2							313	
Benzo[g,h,i]perylene	191-24-2		X	LEVEL 2		X			304B 307A Priority			
Benzo[j]fluoranthene	205-82-3		X	LEVEL 2		X			307A		110 313	
7H-Dibenzo[c,g]carbazole	194-59-2		X	LEVEL 2							313	
Fluoranthene	206-44-0	PARA-4C	X	LEVEL 2	U	X			304B 307A Priority		110	
Hexachlorocyclohexane, alpha-	319-84-6		X	LEVEL 2		X			304B Priority		1e+05	NR
Chrysene	218-01-9	PARA-4C	X	LEVEL 2	U	X			304B 307A Priority		110 313	
Lead	7439-92-1		X	LEVEL 2	T	X	109 111 112B 202A <u>(HAPs)</u>	NPDWR	304B 307A Priority	6A CCCR	110 313	

A
3

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
3-Methylcholanthrene	56-49-5		X	LEVEL 2	U	X			304.B 307.A	5A SNUR		
Endrin	72-20-8			LEVEL 2	P T	X		NPDWR	304B 311 Priority		110 302A	NR
DDE,p,p'	72-55-9		X	LEVEL 1		X	112B		304B 307A Priority		110	NR
Pentachlorophenol	87-86-5	PARA-4C		LEVEL 2	T	X	112B (HAPs)	NPDWR	304B 307A 311 Priority		110 313	X/R
Hexachlorobutadiene	87-68-3			LEVEL 2	T U	X	112B (HAPs)		304B 307A Priority	8A PAIR 8D HSDR	110 313	
Cadmium	7440-43-9		X	LEVEL 2	T	X	112B (HAPs)	NPDWR	304B 307A Priority		110 313	
Furan	110-00-9		X	LEVEL 1	U	X	112R				302A	FC
Pentachlorobenzene	608-93-5			LEVEL 2							110	
DDD,p,p'	72-54-8			LEVEL 1	U	X			304B 307A 311 Priority		110	NR
Hexachlorocyclohexane	608-73-1			LEVEL 2	U	X			304B 307A	5A SNUR 8A PAIR 8D HSDR	110	NR

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
1,2,4,5-Tetrachlorobenzene	95-94-3	PARA-4C		LEVEL 2	U	X			304B 307A	5A SNUR 8A INFO 8A PAIR 8D HSDR		
Hexachlorocyclohexane, delta-	319-86-8			LEVEL 2		X			304B Priority		110	NR
Hexachlorocyclohexane, beta-	319-85-7			LEVEL 2		X			304B Priority		110	NR
1,4-Dichlorobenzene(p)	106-46-7			LEVEL 2	T U	X	111 112B <u>(HAPs)</u>	NPDWR	304B 307A 311 Priority	8A CAIR 8A INFO 8A PAIR 8D HSDR MTL	110 313	X/R
Trifluralin	1582-09-8					X	112B <u>(HAPs)</u>				110 313	X/R
Methoxychlor	72-43-5				T U	X	112B <u>(HAPs)</u>	NPDWR	311		110 313	X/R
Dicofol	115-32-2					X			311		110 313	X/R
2,4-Dichlor-1-(4-nitrophenoxy)benzene (Nitrofen)	1836-75-5										313	X/R

A-5

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
3,3'-Dichlorobenzidine	91-94-1			LEVEL 2	U	X	112B (HAPs)		304B 307A Priority	8D HSDR 8D TERM	110 313	
4,4'-Methylenebis(2-chloroaniline)	101-14-4			LEVEL 2	U	X	112B (HAPs)			8A CAIR 8A INFO	110 313	
Heptachlor epoxide	1024-57-3			LEVEL 2		X		NPDWR	304B 307A Priority		110	X/R
Pentachloronitrobenzene	82-68-8				U	X	112B (HAPs)			8A INFO	313	X/R
Hexachloroethane	67-72-1	PARA-4C			T U	X	111 112B (HAPs)		304B 307A Priority	8A PAIR 8D HSDR 8D TERM	110 313	
Triallate	2303-17-5				U	X					313	X/R
Nickel	7440-02-0					X	112B (HAPs)	NPDWR	304B 307A Priority		110 313	
Diazinon	333-41-5					X			311		110 313	X/R
Chromium	7440-47-3				T	X	112B (HAPs)	NPDWR	304B 307A Priority		110 313	

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
Selenium	7782-49-2				T	X	112B (HAPs)	NPDWR	304B 307A Priority	8A PAIR	110 313	
Copper	7440-50-8					X		NPDWR	304B 307A Priority		110 313	X/R
Zinc	7440-66-6					X		NPDWR	304B 307A Priority	6A CCCR MTL	110	X/R
Arsenic	7440-38-2				T	X	112B (HAPs)	NPDWR	304B 307A Priority		110 313	
1,3-Dichlorobenzene	541-73-1	PARA-4C			U	X	111		304B 307A 311 Priority	8A PAIR 8D HSDR	110 313	
1,2-Dichlorobenzene	95-50-1	PARA-4C			U	X		NPDWR	304B 307A 311 Priority	8A INFO 8A PAIR 8D HSDR MTL	110 313	NR?
Oxyfluorfen	42874-03-3										313	X/R
1,2,3,4-Tetrachlorobenzene	634-66-2			LEVEL 2		X			304B 307A	8A PAIR 8D HSDR		NR?
Oryzalin	19044-88-3										313	X/R
2,2',4,4',5,5'-Hexabromobiphenyl	59080-40-9											

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

A
8

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
Octachlorostyrene	29082-74-4			LEVEL 1								
Tributyltin oxide	56-35-9			LEVEL 2			111				110 313	X/R
Hexachlorophene	70-30-4				U	X				5A SNUR	313	NR
Kepone (Chlordecone)	143-50-0				U	X			311		110	NR
Hexachlorocyclopentadiene	77-47-4				U	X	112B (HAPs)	NPDWR	304B 307A 311 Priority	8A Pair 8D HSDR 8D TERM	110 302A 313	NR
Pendimethalin	40487-42-1										313	X/R
Cobalt	7440-48-4					X	112B (HAPs)			8D HSDR	110 313	
Vanadium	7440-62-2										110	
Isodrin	465-73-6				P	X					302A 313	
Ethion	563-12-2					X			311		110 302A	X/R
Chlorobenzilate	510-15-6				U	X	112B (HAPs)				313	NR
Endosulfan	115-29-7				P	X			304B 311		110 302A	X/R

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
4,4'-Methylenediphenyl diisocyanate	101-68-8				X		111 112B <u>(HAPs)</u>			8A PAIR 8C SARS 8D HSDR MTL	313	
Benefin	1861-40-1										313	X/R
Various short-chain chlorinated paraffins	-----											
Dinitropyrene	78432-19-6			LEVEL 2								
Perylene	198-55-0	PARA-4C		LEVEL 2							110	
Leptophos	21609-90-5										302A	NR
Isobenzan	297-78-9										302A	NR?
Trichloronate	327-98-0										302A	NR?
3,3',5,5'-Tetrabromobisphenol A	79-94-7										8A PAIR 8D HSDR MTL	
Bromophos	2104-96-3											NR
Chlordene	3734-48-3										110	
Hexabromobenzene	87-82-1											
Chlorothiophos	21923-23-9										302A	NR?
Diethylstilbestrol	56-53-1				U	X					5A SNUR	
Profluralin	26399-36-0											NR?

A-9

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
THE FOLLOWING CHEMICALS WERE NOT INCLUDED ON OIA'S CONSOLIDATED LIST, BUT WERE ON THE LISTS SUBMITTED BY THE PARTICIPATING OFFICES.												
Antimony & compounds	7440-36-0						(HAPs)					
Manganese & compounds	7439-96-5						(HAPs)					
Silver	7440-22-4											
Pentachloroanisole	1825-21-4											
Acenaphthene	83-32-9											
Pyrene	129-00-0											
Ehylene dibromide (EDB)	106-93-4						(HAPs)					NR
Ethane,1-2dichloro-	107-06-2											
Methylene chloride	75-09-2						(HAPs)					
Tetrachloroethane 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane	630-20-6 79-34-5						(HAPs)					
Tetrachloroethylene	127-18-4						(HAPs)					
Trichloroethylene	79-01-6						(HAPs)					
1,2,4-Trichlorobenzene (TCB)	120-82-1						(HAPs)					
4-Chlorophenyl phenyl ether	7005-72-3											
4-Bromophenyl phenyl ether	101-55-3											
Binapacryl	485-31-4											NR
Bromoacil	314-40-9											X/R
Captafol	2425-06-1											NR
Chordimeform	6164-98-3											NR

(continued)

OIA's Comparison List of Toxic Chemicals Integrated with the Agency's Program Regulations (continued)

Chemical Name	CAS #	Pretreatment Pollutants	Great Waters Study	Bi-National Agreement (GLNPO)	RCRA ¹	CERCLA	CAA (HAPs)	SDWA	CWA	TSCA	SARA (TRI)	FIFRA ²
Chloropyrifos	2921-88-2											X/R
Dinoseb	88-85-7											NR
Disulfoton	298-04-4											X/R
Ethylene oxide	75-21-8						(HAPs)					
Fluoroacetamide	640-19-7											NR
Maleic hydrazide	123-33-1											X/R
Methamidophos	10265-92-6											X/R
Methyl parathion	298-00-0											X/R
Monocrotophos	6923-22-4											NR
Parathion	56-38-2						(HAPs)					NR
Phosphamidon	13171-21-6											NR
2,4,5-Trichlorophenol	93-76-5											NR
Terbufos	13071-79-9											X/R
Acetaldehyde	75-07-0						(HAPs)					
Acrolein	107-02-8						(HAPs)					X/R
Acrylamide	79-06-1						(HAPs)					NR

1. RCRA Characteristics of Hazardous Wastes

K = Hazardous wastes from non-specific sources
 P = Acutely hazardous discarded commercial chemical product
 T = Characteristics of hazardous waste: Toxicity characteristics
 U = Other discarded commercial chemical products

2. FIFRA R = Regulated

NR = No active registration
 FC = Formulations contaminated during manufacturing
 X/R = Registered uses still active

Appendix B

Matrices for Candidate Chemicals

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
3389717	1,2,3,4,7,7-Hexachloronorbornadiene	NA	NA	NA	N	3	3		3		9	9				
634662	1,2,3,4-Tetrachlorobenzene	NA	NA	NA	X ^a	N ^d	3	3		3		9	9		Dielectric fluids, organic synthesis	
634902	1,2,3,5-Tetrachlorobenzene	NA	NA	NA	N	3	3		3		9	9			Dielectric fluids	
87616	1,2,3-Trichlorobenzene	NA	NA	NA	X	N	3	3		3		9	9			
95943	1,2,4,5-Tetrachlorobenzene	NA	NA	221,883	L ^b	N	3	3	3	3	9	9	9		Chemical Intermed.	
615543	1,2,4-Tribromobenzene	NA	NA	NA	N	3	3	2	3	8	9	9	Y			
16883833	1,2-Benzenedicarboxylic acid, 2,2-dimethyl-1-(1-methyl)-3-(2-methyl-1-oxop)	NA	NA	NA	N	3	3		3		9	9	Y			
3322938	1,2-Dibromo-4-(1,2-dibromoethyl)cyclohexane	NA	NA	NA	N	3	3		3		9	9	Y			
3081014	1,4-Benzenediamine, N-(1,4-dimethylpentyl)-N'-phenyl-	NA	NA	NA	N	3	3		3		9	9				
1203174	1H-Indene, 2,3-dihydro-1,1,2,3,3-pentamethyl-	NA	NA	NA	N	3	3		3		9	9	Y			
24448097	1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hyd	NA	NA	NA	N	3	3		3		9	9	Y			
1691992	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	NA	NA	NA	N	3	3		3		9	9	Y			
3147759	2-(2'-5'-t-Octylphenyl)benzotriazole	NA	NA	NA	N	3	3		3		9	9	Y			
70321867	2-(2'-Hydroxy-3',5'-(di-(a-dimethylbenzyl)phenyl))benzotriazole	NA	NA	NA	N	3	3		3		9	9	Y			
25973551	2-(2'-Hydroxy-3',5'-(di-t-amyl)phenyl)benzotriazole	NA	NA	406	S ^c	N	3	3		3		9	9	Y		
3846717	2-(2'-Hydroxy-3',5'-(di-t-butyl)phenyl)benzotriazole	NA	NA	NA	N	3	3		3		9	9	Y			
3896115	2-(3'-t-Butyl-2'-hydroxy-5'-methylphenyl)-5-chlorobenzotriazole	NA	NA	NA	N	3	3		3		9	9	Y			
68517022	2,2',2"-[Propylidynetris(4,1-phenyleneoxymethylene)] trisoxirane	NA	NA	NA	N	3	3		3		9	9	Y			
97187	2,2'-Thiobis(4,6-dichlorophenol)	NA	NA	NA	N	3	3		3		9	9	Y		Pesticide	

B-1

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
4418660	2,2'-Thiobis(4-chloro-6-methyl) phenol	NA	NA	NA	N	3	3		3		9	9	9	Y		
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	NA	NA	NA	L	N	3	3	3	3	9	9	9		Dioxin	
93765	2,4,5-Trichlorophenoxyacetic acid	NA	NA	NA	L	N	3	3	2	3	8	9	9		Y ^h	Herbicide
79743	2,5-Di-(1,1-dimethylpropyl) hydroquinone	NA	NA	17	S	N	3	3		3		9	9			
87105	3,4,5-Tribromosalicylanilide	NA	NA	NA	N	3	3		3		9	9	9	Y ^g		
34562317	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	NA	NA	NA	N	3	3		3		9	9	9	Y		Rubber processing
56495	3-Methylcholanthrene	NA	NA	NA	L	N	3	3	3	3	9	9	9		PAH	
140669	4-(1,1,3,3-Tetramethylbutyl) phenol	NA	NA	NA	N	3	3		3		9	9	9		Chemical intermediate	
472413	4-(3,4-Dihydro-2,2,4-trimethyl-2H-1-benzopyran-4-yl)phenol	NA	NA	NA	N	3	3		3		9	9	9	Y		
5285609	4,4'-Bis(sec-butylamino) diphenylmethane	NA	NA	NA	N	3	3		3		9	9	9	Y		Rubber processing
92864	4,4'-Dibromobiphenyl	NA	NA	NA	N	3	3		3		9	9	9	Y		
101553	4-Bromophenyl phenyl ether	NA	NA	29	L	N	3	3		3		9	9		Flame retardant for plastics	
309002	Aldrin	NA	NA	2	L	91 ^e	3	3	3	3	9	9	9		Y	Chlorinated Insecticide
490175	alpha -Truxilline	NA	NA	NA	N	3	3		3		9	9	9	Y		
140578	Aramite	NA	NA	NA	L	N	3	3	2	3	8	9	9		Pesticide	
1861401	Benefin	NA	24,575	NA	97 ^f	3	3	1	3	7	9	9	9		Herbicide	
203338	Benzo(a)fluoranthene	NA	NA	NA	N	3	3		3		9	9	9	Y	PAH	
192972	Benzo(e)pyrene	NA	NA	NA	N	3	3		3		9	9	9	Y	PAH	
191242	Benzo(g,h,i)perylene	NA	NA	35	L	N	3	3		3		9	9	Y	PAH	
56832736	Benzofluoranthene	NA	NA	NA	N	3	3		3		9	9	9	Y	PAH	
28772567	Bromadiolone	NA	NA	NA	N	3	3		3		9	9	9	Y	Pesticide	
2104963	Bromophos	NA	NA	NA	N	3	3	2	3	8	9	9	9		Organophosphate Insecticide	
7440439	Cadmium	8,066,675	13,836,981	2,956,983	L	91	3	3	3	3	9	9	9		Metal	
786196	Carbophenothion	NA	NA	NA	N	3	3	2	3	8	9	9	9		Organophosphate Insecticide	

B-2

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information	
57749	Chlordane	7,630	5,245	943	L	91	3	3	3	3	9	9	9		Y	Chlorinated Insecticide	
5566347	Chlordane, gamma-	NA	NA	NA		N	3	3		3		9	9	Y	Y	Chlorinated Insecticide	
3734483	Chlordene	NA	NA	NA		N	3	3		3		9	9		Y	Chlorinated Insecticide	
494031	Chlornaphazin	NA	NA	NA	L	N	3	3	3	3	9	9	9			Drug	
2921882	Chlorpyrifos	NA	NA	NA		N	3	3	2	3	8	9	9			Organophosphate Insecticide	
21923239	Chlorthiophos	NA	NA	NA		N	3	3		3		9	9			Organophosphate Insecticide	
B	540976	Cyclohexasiloxane, dodecamethyl-	NA	NA	NA		N	3	3		3		9	9	Y		
	72548	DDD, p,p'-	NA	NA	959	L	N	3	3	2	3	8	9	9		Y	Chlorinated Insecticide
	72559	DDE, p,p'-	NA	NA	51	L	N	3	3	2	3	8	9	9		Y	Chlorinated Insecticide
	50293	DDT, p,p'-	NA	NA	959	L	N	3	3	3	3	9	9	9		Y	Chlorinated Insecticide
	126136	Diacetate hexaisobutyrate sucrose	NA	NA	NA		N	3	3		3		9	9	Y		
	128665	Dibenzo(b,def)chrysene-7,14-dione	NA	NA	NA		91	3	3	2	3	8	9	9	Y		Dyes & Pigments
	115322	Dicofol	56	495	NA		91	3	3	2	3	8	9	9			Chlorinated Insecticide
	60571	Dieldrin	NA	NA	11	L	N	3	3	3	3	9	9	9		Y	Chlorinated Insecticide
	117840	Di-n-octyl phthalate	271,332	NA	97,753	L	N	3	3	2	3	8	9	9	Y		Plasticizer
	26401274	Diphenyl isoctyl phosphite	NA	NA	NA		N	3	3		3		9	9	Y		
316427	Emetine, dihydrochloride	NA	NA	NA		N	3	3		3		9	9	Y		Pesticide	
959988	Endosulfan, alpha-	NA	NA	1	L	N	3	3		3		9	9				Chlorinated Insecticide
33213659	Endosulfan, beta-	NA	NA	1	L	N	3	3		3		9	9				Chlorinated Insecticide
72208	Endrin	NA	NA	17,486	L	N	3	3	3	3	9	9	9		Y	Chlorinated Insecticide	

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
53494705	Endrin ketone	NA	NA	NA	N	3	3		3		9	9	9	Y	Y	Chlorinated Insecticide
563122	Ethion	NA	NA	NA	N	3	3	3	3	9	9	9				Organophosphate Insecticide
206440	Fluoranthene	NA	NA	299	L	N	3	3	2	3	8	9	9			PAH
86737	Fluorene	NA	NA	54,176	L	N	3	3	2	3	8	9	9			PAH
1024573	Heptachlor epoxide	NA	NA	4	L	N	3	3	3	3	9	9	9			Chlorinated Insecticide
38998753	Heptachlorodibenzofuran	NA	NA	NA	N	3	3		3		9	9	9	Y		Dioxin
37871004	Heptachlorodibenzo-p-dioxin	NA	NA	NA	N	3	3		3		9	9	9	Y		Dioxin
32241080	Heptachloronaphthalene	NA	NA	NA	N	3	3		3		9	9	9	Y		
36355018	Hexabromobiphenyl (unspecified location of bromines)	NA	NA	NA	N	3	3		3		9	9	9	Y		
25637994	Hexabromocyclodecane	NA	NA	NA	N	3	3		3		9	9				Flame retardant
3194556	Hexabromocyclododecane, 1,2,5,6,9,10-	NA	NA	NA	N	3	3		3		9	9	9	Y		Flame retardant
118741	Hexachlorobenzene	5,473,936	3,307,411	1,369,941	L	91	3	3	2	3	8	9	9			Chemical Interm.
87683	Hexachlorobutadiene	12,276,759	7,077,331	3,131,152	L	91	3	3	3	3	9	9	9			Chemical Intermediate
58899	Hexachlorocyclohexane, gamma-	2,302	3,155	17,856	L	91	3	3	3	3	9	9	9			Chlorinated Insecticide
55684941	Hexachlorodibenzofuran	NA	NA	NA	X	N	3	3		3		9	9	Y		Dioxin
34465468	Hexachlorodibenzo-p-dioxin	NA	NA	NA	X	N	3	3		3		9	9	Y		Dioxin
1335871	Hexachloronaphthalene	NA	NA	NA		91	3	3		3		9	9	Y		Dielectric agent, electroplating
297789	Isobenzan	NA	NA	NA	N	3	3		3		9	9		Y		Chlorinated Insecticide
15220856	Isobutene tetramer	NA	NA	NA	N	3	3		3		9	9	9	Y		
465736	Isodrin	NA	NA	NA	L	97	3	3		3		9	9		Y	Chlorinated Insecticide
33820530	Isopropalin	NA	NA	NA	N	3	3	2	3	8	9	9				Pesticide
7439921	Lead	1,088,980,520	1,122,951,531	415,698,947	L	91	3	3	3	3	9	9	9			Metal
21609905	Leptophos	NA	NA	NA	N	3	3	2	3	8	9	9		Y		Organophosphate Insecticide

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
7439976	Mercury	1,817,843	1,366,834	8,040,742	L	91	3	3	3	3	9	9	9			Metal
72435	Methoxychlor	171	0	13,017	L	91	3	3	2	3	8	9	9			Chlorinated Insecticide
3735237	Methyl phenkapton	NA	NA	NA	N	3	3		3		9	9	9	Y		
91929	N,N'(3,3'Dimethoxy[biphenyl]diyl) bis(hydroxy)-2-naphthalenecarboxamide	NA	NA	NA	N	3	3		3		9	9	9	Y		
3081149	N,N'-Bis(1,4-dimethylpentyl)p-phenylenediamine	NA	NA	NA	N	3	3		3		9	9	9	Y		Rubber processing
139606	N,N'-Bis(1-ethyl-3-methylpentyl)p-phenylenediamine	NA	NA	NA	N	3	3		3		9	9	9	Y		Rubber processing
93469	N,N'-Di-2-naphthyl-p-phenylenediamine	NA	NA	NA	N	3	3		3		9	9	9	Y		Rubber processing chemical
140738	N,N-Dicinnamylidene-1,6-hexanediamine	NA	NA	NA	N	3	3		3		9	9	9	Y		
4979322	N,N-Dicyclohexyl-2-benzothiazolesulfenamide	NA	NA	NA	N	3	3		3		9	9	9			Rubber processing
74317	N,N'-Diphenyl-p-phenylenediamine	NA	NA	NA	N	3	3		3		9	9	9	Y		
5103731	Nonachlor, cis-	NA	NA	NA	N	3	3		3		9	9	9	Y		Chlorinated Insecticide
39765805	Nonachlor, trans-	NA	NA	NA	N	3	3		3		9	9	9			Chlorinated Insecticide
39001020	Octachlorodibenzofuran	NA	NA	NA	N	3	3		3		9	9	9	Y		Dioxin
3268879	Octachlorodibenzo-p-dioxin	NA	NA	NA	N	3	3		3		9	9	9	Y		Dioxin
23681609	Pararosaniline, .alpha.-hydroxy-N,N,N"-triphenyl-	NA	NA	NA	N	3	3		3		9	9	9	Y		
40487421	Pendimethalin	NA	197,574	1,755,922	S	97	3	3	2	3	8	9	9			Herbicide
32534819	Pentabromodiphenyl ether	NA	NA	NA	N	3	3	2	3	8	9	9	9	Y		Flame retardant
85223	Pentabromoethylbenzene	NA	NA	NA	N	3	3		3		9	9	9	Y		
608719	Pentabromophenol	NA	NA	NA	N	3	3		3		9	9	9			
608935	Pentachlorobenzene	NA	NA	190,427	L	N	3	3	2	3	8	9	9			Functional fluid, pesticide intermediate
30402154	Pentachlorodibenzofuran	NA	NA	NA	X	N	3	3		3		9	9	Y		Dioxin
36088229	Pentachlorodibenzo-p-dioxin	NA	NA	NA	X	N	3	3		3		9	9	Y		Dioxin

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
1321648	Pentachloronaphthalene	NA	NA	NA	N	3	3		3		9	9	9	Y		
82688	Pentachloronitrobenzene	64,289	761,442	NA	L	91	3	3	2	3	8	9	9			Herbicides & Fungicides
133493	Pentachlorothiophenol	NA	NA	NA	N	3	3		3		9	9	9	Y		
198550	Perylene	NA	NA	NA	N	3	3		3		9	9	9	Y		PAH
85018	Phenanthrene	NA	1,379,518	448,213	L	97	3	3		3		9	9			PAH
732263	Phenol, 2,4,6-tris(1,1-dimethylethyl)-	NA	NA	92,207	S	N	3	3		3		9	9			
120956	Phenol, 2,4-bis(1,1-dimethylpropyl)-	NA	NA	NA	N	3	3		3		9	9	9	Y		
25036253	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'	NA	NA	NA	N	3	3		3		9	9	9	Y		
	Polychlorinated biphenyls	551,947	98,616	69,671 ^c	L	91	3	3	2	3	8	9	9		Y	PCB
N590	Polycyclic aromatic compounds	NA	22,623,435	161,017	L	97	3	3	2	3	8	9	9			PAH
57137107	Polystyrene, tribrominated	NA	NA	NA	N	3	3		3		9	9	9	Y		
26399360	Profluralin	NA	NA	NA	N	3	3	2	3	8	9	9	9	Y		Herbicide
299843	Ronnel	NA	NA	NA	N	3	3	2	3	8	9	9			Organophosphate Insecticide	
56803373	t-Butylphenyl diphenyl phosphate	NA	NA	NA	N	3	3		3		9	9			Flame retardant, plasticizer	
3383968	Temephos	NA	0	NA	97	3	3	2	3	8	9	9			Organophosphate Insecticide	
632791	Tetrabromophthalic anhydride	NA	NA	NA	N	3	3		3		9	9	9	Y		
41903575	Tetrachlorodibenzo-p-dioxin	NA	NA	NA	N	3	3		3		9	9	9	Y		Dioxin
1335882	Tetrachloronaphthalene	NA	NA	NA	N	3	3		3		9	9	9	Y		
13393936	Tetrahydroabietyl alcohol	NA	NA	NA	N	3	3		3		9	9	9	Y		
25586429	Tolyl phosphite	NA	NA	NA	N	3	3		3		9	9	9	Y		
8001352	Toxaphene	NA	NA	1,939	L	91	3	3	3	3	9	9	9		Y	Chlorinated Insecticide
27137855	Trichloro(dichlorophenyl)silane	NA	NA	NA	N	3	3		3		9	9	9	Y		
1321659	Trichloronaphthalene	NA	NA	NA	N	3	3		3		9	9	9	Y		Dielectric agent, lubricant additive
327980	Trichloronate	NA	NA	NA	N	3	3		3		9	9	9			Carbamate Insecticide
1582098	Trifluralin	110,323	211,406	5,236	S	91	3	3	2	3	8	9	9			Herbicide

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
2001958	Valinomycin	NA	NA	NA	N	3	3		3		9	9	Y			
126807	1,1,3,3-Tetramethyl-1,3-bis[(3-oxiranylmethoxy)propyl]disiloxane	NA	NA	NA	N	3	2		3		8	8	Y			
120821	1,2,4-Trichlorobenzene	3,410,471	1,634,536	478,219	L	91	3	3	2	2	8	8	8		Solvent and chemical intermediate	
84786	1,2-Benzenedicarboxylic acid, butyl octyl ester	NA	NA	NA	N	2	3		3		8	8	Y			
84617	1,2-Benzenedicarboxylic acid, dicyclohexyl ester	NA	NA	NA	N	2	3		3		8	8			Plasticizer, wetting agent	
2050693	1,2-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
2198756	1,3-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
117088	1,3-Isobenzofuran-4-one, 4,5,6,7-tetrachloro-	NA	NA	NA	N	3	2		3		8	8	Y			
1825316	1,4-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
1825305	1,5-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
2050728	1,6-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
2050739	1,7-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
2050740	1,8-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
5873541	1-Isocyanato-2-[(isocyanatophenyl)methyl]benzene	NA	NA	NA	N	2	3		3		8	8	Y			
605027	1-Phenylnaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
1120361	1-Tetradecene	NA	NA	NA	N	2	3		3		8	8			Hydrocarbon	
62199626	2,2,4,4,6-Pentamethylheptane	NA	NA	NA	N	2	3		3		8	8	Y			
35164397	2,2,4-Trimethyl-1,3-pentanediol isobutyrate benzoate	NA	NA	NA	N	2	3		3		8	8	Y			
2050751	2,3-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
95954	2,4,5-Trichlorophenol	56,000	NA	35	L	91	2	3	1	3	6	8	8			
1836755	2,4-Dichloro-1-(4-nitrophenoxy) benzene	NA	NA	NA		91	3	2	2	3	7	8	8		Y	Herbicide
2065705	2,6-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			
2198778	2,7-Dichloronaphthalene	NA	NA	NA	N	2	3		3		8	8	Y			

Matrix 1. All Candidate Chemicals.

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105522	2-butenedioic acid (Z)-, bis(1,3-dimethylbutyl)ester	NA	NA	NA	N	2	3		3		8	8	Y				
131895	2-Cyclohexyl-4,6-dinitrophenol	NA	NA	NA	L	N	3	2	2	3	7	8	8				
6197304	2-Ethylhexyl-2-cyano-3,3'diphenylacrylate	NA	NA	NA	N	2	3		3		8	8	Y		Sunscreen		
612942	2-Phenylnaphthalene	NA	NA	NA	N	2	3		3		8	8	Y				
5466773	2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester	NA	NA	NA	N	2	3		3		8	8	Y		Flavoring agent, sunscreen		
5171846	3,3,4,4-tetramethylhexane	NA	NA	NA	N	2	3		3		8	8	Y				
20282706	3,3'-Dimethoxy-[1,1'-biphenyl]-4,4'-bis(diazonium)	NA	NA	NA	N	3	2		3		8	8	Y				
2577722	3,5-Dibromosalicylanilide	NA	NA	NA	N	3	2		3		8	8	Y				
2113577	3-Bromobiphenyl	NA	NA	NA	N	2	3		3		8	8	Y				
2611009	3-Cyclohexene-1-carboxylic acid, 3-cyclohexen-1-ylmethyl ester	NA	NA	NA	N	2	3		3		8	8	Y				
31383810	4,4'-Methylenebis-(2-carbomethoxyaniline)	NA	NA	NA	N	3	2		3		8	8	Y				
101611	4,4'-Methylenebis(N,N-dimethylbenzenamine)	NA	0	NA	91	3	2	2	3	7	8	8	Y		Chemical intermediate for dyes		
92660	4-Bromobiphenyl	NA	NA	NA	N	2	3		3		8	8	Y				
5216251	4-Chlorobenzotrifluoride	NA	NA	NA	N	3	2	3	2	8	7	8			Dielectric medium, solvent		
84852153	4-Nonyl phenol, branched	NA	NA	NA	N	2	3		3		8	8			lubricating oil additive, resins, plasticizers		
120127	Anthracene	11,411,478	2,236,075	24,315	L	91	3	2	1	3	6	8	8			PAH	
225514	Benz(c)acridine	NA	NA	NA	L	N	3	2		3		8	8	Y		PAH	
56038892	Benzenamine, N-(1-ethylpropyl)-3,4-dimethyl-	NA	NA	86,244	S	N	3	2		3		8	8	Y			
51632167	Benzene, 1-(bromomethyl)-3-phenoxy-	NA	NA	NA	N	2	3		3		8	8	Y				
80546	Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-	NA	NA	NA	N	3	2		3		8	8	Y				

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
6386385	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, methyl ester	NA	NA	NA	N	3	2		3		8	8	Y			
118605	Benzoic acid, 2-hydroxy-, 2-ethylhexyl ester	NA	NA	NA	N	2	3		3		8	8	Y			
41638555	Biphenyl, butyl-	NA	NA	NA	N	2	3		3		8	8	Y			
69009901	Bis(1-methylethyl)-1,1'-biphenyl	NA	NA	NA	N	2	3		3		8	8				
117817	Bis(2-ethylhexyl)phthalate	9,802,611	12,289,772	201,574	L	91	3	2	2	3	7	8	8			Plasticizer
1689992	Bromoxynil octanoate	NA	13,742	NA		97	2	3	2	3	7	8	8			Pesticide
84640	Butyl cyclohexylphthalate	NA	NA	NA	N	2	3		3		8	8	Y			
55285148	Carbosulfan	NA	NA	NA	L	N	2	3	2	3	7	8	8			Carbamate Insecticide
115275	Chlorendric anhydride	NA	NA	NA	N	3	2		3		8	8	Y			
510156	Chlorobenzilate	NA	NA	NA	L	91	3	2	2	3	7	8	8		Y	Chlorinated Insecticide
3691358	Chlorophacinone	NA	NA	NA	N	3	2		3		8	8	Y			Pesticide
1982474	Chloroxuron	NA	NA	NA	N	3	2	3	3	8	8	8				Pesticide
5598130	Chlorpyrifos methyl	NA	12,495	NA		97	3	2	2	3	7	8	8			Organophosphate Insecticide
72030263	Cyclopentene, hexachloro-	NA	NA	NA	N	3	2		3		8	8	Y			
1861321	Dacthal	NA	NA	275	S	N	3	2	2	3	7	8	8			Herbicide
541026	Decamethylcyclopentasioxane	NA	NA	NA	N	2	3		3		8	8	Y			
78488	DEF	NA	2,857	NA		97	3	2	3	3	8	8	8			Organophosphate Insecticide
10311849	Dialifor	NA	NA	NA	N	3	2		3		8	8				Organophosphate Insecticide
132649	Dibenzofuran	5,280,555	526,361	29	L	91	2	3	2	3	7	8	8			
84742	Dibutyl phthalate	1,418,138	2,142,823	27,916	L	91	2	3	1	3	6	8	8			Plasticizer
106014	Diethylene glycol dipelargonate	NA	NA	NA	N	2	3		3		8	8	Y			
56531	Diethylstilbestrol	NA	NA	NA	L	N	2	3	3	3	8	8	8			Drug
94371	Dipentamethylene-thiuram disulfide	NA	NA	NA	N	3	2		3		8	8	Y			
776761	Diphenyl methyl silane	NA	NA	NA	N	2	3		3		8	8	Y			
8006879	East India (sandalwood oil)	NA	NA	NA	N	2	3		3		8	8	Y			

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
7421934	Endrin aldehyde	NA	NA	17,457	L	N	3	2	3	3	8	8	8	Y	Y	Chlorinated Insecticide
28984896	Ether, biphenyl phenyl	NA	NA	NA		N	2	3		3		8	8	Y		
87821	Hexabromobenzene	NA	NA	NA		N	3	3	2	2	8	8	8			Chemical Intermediate
319846	Hexachlorocyclohexane, alpha-	NA	NA	17,454	L	97	3	2	3	3	8	8	8			Chlorinated Insecticide
319857	Hexachlorocyclohexane, beta-	NA	NA	17,427	L	N	3	2	2	3	7	8	8	Y		Chlorinated Insecticide
319868	Hexachlorocyclohexane, delta-	NA	NA	17,449	L	N	3	2	2	3	7	8	8			Chlorinated Insecticide
1888717	Hexachloropropene	NA	NA	NA	L	N	3	2		3		8	8	Y		
64667330	Hexanoic acid, 4,6,6,6-tetrachloro-3,3-dimethyl-, methyl ester	NA	NA	NA		N	3	2		3		8	8	Y		
101860	Hexyl cinnamaldehyde	NA	NA	NA		N	2	3		3		8	8	Y		
4035896	Imidodicarbonic diamide, N,N',2-tris(6-isocyanatoethyl)-	NA	NA	NA		N	3	2		3		8	8	Y		
25640782	Isopropyl biphenyl	NA	NA	NA		N	2	3		3		8	8	Y		
110270	Isopropyl myristate	NA	NA	NA		N	2	3		3		8	8			Cosmetics, topical medicinal preparations
28108998	Isopropylphenyl diphenyl phosphate	NA	NA	NA		N	2	3		3		8	8			Flame retardant, plasticizer
61734	Methylene blue	NA	NA	NA		N	3	3		2		8	8			
31711532	Methylphenanthrene	NA	NA	NA		N	2	3		3		8	8	Y		
793248	N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine	NA	NA	NA		N	3	2		3		8	8			
15233473	N-(1-Methylheptyl)-N'-phenyl-p-phenylenediamine	NA	NA	NA		N	2	3		3		8	8	Y		Rubber processing
90302	N-Phenyl-1-naphthalenamine	NA	NA	NA		N	2	3		3		8	8	Y		
101871	N-Phenyl-N'-cyclohexyl-para-phenylenediamine	NA	NA	NA		N	3	2		3		8	8	Y		
2234131	Octachloronaphthalene	NA	NA	NA		91	3	2		3		8	8	Y		Coating & lubricant
7651027	Octadecanamide, N-(3-(dimethylamino)propyl)-	NA	NA	NA		N	3	2		3		8	8	Y		

B-10

Matrix 1. All Candidate Chemicals.

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8045349	Octadecanoic acid, ester with 2,2-bis(hydroxymethyl)-1,3-propanediol	NA	NA	NA	N	2	3		3		8	8	Y				
556672	Octamethyl cyclotetrasiloxane	NA	NA	NA	N	2	3		3		8	8			Waterproofing, lubricant		
87865	Pentachlorophenol	344,704	231,473	130,579	L	91	3	2	2	3	7	8	8		Wood treatment, pesticide		
23500790	Phenol, 3-(chloromethyl)6(1,1-dimethylethyl)-2,4-dimethyl-	NA	NA	NA	N	3	2		3		8	8	Y				
50594440	Phenol, 5-2-chloro-4-(trifluoromethyl)phenoxy-2-nitro, acetate (ester)	NA	NA	NA	N	3	2		3		8	8	Y				
2665307	Phosphonothioic acid, methyl-, O-(4-nitrophenyl)-O-phenyl ester	NA	NA	NA	N	3	2		3		8	8	Y				
34364426	Phosphoric acid, (1-methyl-1-phenylethyl)phenyl diphenyl ester	NA	NA	NA	N	3	3		2		8	8					
4216017	Pigment red 108	NA	NA	NA	N	3	2		3		8	8	Y		Dyes & Pigments		
980267	Pigment red 122	NA	NA	NA	N	3	2		3		8	8	Y		Dyes & Pigments		
23505411	Pirimifos-Ethyl	NA	NA	NA	N	3	3		2		8	8	Y				
104405	p-Nonylphenol	NA	NA	NA	N	2	3		3		8	8			Chemical intermediate		
9003536	Polystyrene	NA	NA	13,022	S	N	2	3		3		8	8	Y		Plastics	
22527635	Propanoic acid, 2-methyl- 3-(benzoyloxy)-2,2,4-trimethylpentyl ester	NA	NA	NA	N	2	3		3		8	8	Y				
129000	Pyrene	NA	NA	29,536	L	N	3	2	2	3	7	8	8		PAH		
5862384	Quino, 5,6,12,13-tetrahydro-, .gamma.2,3-b.sigmac.acidine-7,14-dione, 5,6,12,13-tetrahydro	NA	NA	NA	N	3	2		3		8	8	Y				
68268	Retinol	NA	NA	NA	N	2	3		3		8	8	Y		Vitamin A		
127479	Retinol acetate	NA	NA	NA	N	3	2		3		8	8	Y		Drug		
144796	Silane, chloromethylidiphenyl-	NA	NA	NA	N	2	3		3		8	8	Y				
26140603	Terphenyl	NA	NA	NA	N	2	3		3		8	8	Y				

B-11

Matrix 1. All Candidate Chemicals.

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37853615	Tetrabromobisphenol A, bismethyl ether of	NA	NA	NA	N	3	2		3		8	8	Y				
488471	Tetrabromocatechol	NA	NA	NA	N	3	2		3		8	8	Y				
79958	Tetrachlorobisphenol A	NA	NA	NA	N	3	3		2		8	8			Flame retardant		
629594	Tetradecane	NA	NA	NA	N	2	3		3		8	8	Y				
688733	Tributyl tin hydride	NA	NA	NA	N	2	3		3		8	8					
78308	Tri-o-cresyl phosphate	NA	NA	NA	N	3	3		2		8	8			Organophosphate Insecticide		
603350	Triphenylphosphine	NA	NA	NA	N	2	3		3		8	8					
25155231	Trixyl phosphite	NA	NA	NA	N	3	2		3		8	8			Organophosphate Insecticide		
143282	(Z)-9-octadeden-1-ol	NA	NA	NA	N	2	2		3		7	7	Y				
61578049	[[4-(1-Methyl-1-phenylethyl) phenoxy]methyl]oxirane	NA	NA	NA	N	3	2		2		7	7	Y				
3118976	1-((2,4-Dimethylphenyl)azo)-2-naphthalenol	NA	NA	NA	91	3	1		3		7	7					
842079	1-(Phenylazo)-2-naphthalenol	NA	NA	NA	91	3	1	2	3	6	7	7	Y		Dyes & Pigments		
71556	1,1,1-Trichloroethane	182,764,294	70,874,403	9,643,468	L	91	3	1	1	3	5	7	7			Solvent	
3006868	1,1-Bis(t-butyl peroxy)cyclohexane	NA	NA	NA	N	3	3		1		7	7	Y				
75343	1,1-Dichloroethane	NA	2,943,149	1,559,854	L	97	3	1	1	3	5	7	7			Solvent	
6731368	1,1-Di-t-butylperoxy-3,3,5-trimethylcyclohexane	NA	NA	NA	N	3	3		1		7	7	Y				
87843	1,2,3,4,5-Pentabromo-6-chlorocyclohexane	NA	NA	NA	N	3	1	1	3	5	7	7	Y				
123944	1,2,3-dihydroxypropyl ester	NA	NA	NA	N	2	2		3		7	7	Y				
84695	1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester	NA	NA	NA	N	2	2		3		7	7			Plasticizer, chemical intermediate		
85698	1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester	NA	NA	NA	N	2	2		3		7	7					
68515504	1,2-Benzenedicarboxylic acid, dihexyl ester, branched A	NA	NA	NA	N	2	2		3		7	7	Y				

B-12

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
37853591	1,2-Bis(2,4,6-tribromophenoxy)ethane	NA	NA	NA	N	3	1		3		7	7	7	Y		Flame retardant
96128	1,2-Dibromo-3-chloropropane	0	NA	NA	L	91	3	1	3	2	7	6	7		Y	Pesticide
95501	1,2-Dichlorobenzene	13,376,377	12,499,204	1,048,860	L	91	3	1	1	3	5	7	7			Solvent, insecticide
147477	1,2-Dihydro-2,2,4-trimethylquinoline	NA	NA	NA	N	3	1	2	3	6	7	7	7	Y		
26780961	1,2-Dihydro-2,2,4-trimethylquinoline, polymerized	NA	NA	NA	N	3	1		3		7	7	7	Y		
91532	1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinoline	NA	NA	NA	N	3	1		3		7	7	7	Y		
528290	1,2-Dinitrobenzene	203,821	444,292	NA		91	3	1	3	3	7	7	7			
122667	1,2-Diphenylhydrazine	NA	NA	NA	L	91	3	1	2	3	6	7	7			
65817507	1,2-Ethanediamine, N-(2-aminoethyl)-N'-	NA	NA	NA	N	2	2		3		7	7	7	Y		
89347091	1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-	NA	NA	NA	N	3	1		3		7	7	7	Y		
91769	1,3,5-Triazine-2,4-diamine, 6-phenyl-	NA	NA	NA	N	3	1		3		7	7	7	Y		
5915413	1,3,5-Triazine-2,4-diamone, 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl-	NA	NA	NA	N	3	1		3		7	7			Herbicide	
108703	1,3,5-Trichlorobenzene	NA	NA	NA	N	2	2		3		7	7				
99354	1,3,5-Trinitrobenzene	NA	NA	NA	L	N	3	1	2	3	6	7	7			
2778429	1,3-Bis(1-isocyanato-1-methylethyl)benzene	NA	NA	NA	N	3	2		2		7	7	7	Y		
99627	1,3-bis(1-methylethyl)-benzene	NA	NA	NA	N	1	3		3		7	7	7	Y		Chemical intermediate for resorcinol
541731	1,3-Dichlorobenzene	122,023	10,358	33	L	91	3	1		3		7	7			Pesticide
99650	1,3-Dinitrobenzene	757,164	765,222	NA	L	91	3	1	3	2	7	6	7			
38103069	1,3-Isobenzofuranidine, 5,5'-.gamma.(1-methylethylidene)bis(4,1-phenyleneoxy).sigma.bis-	NA	NA	NA	N	3	1		3		7	7	7	Y		
68479049	1,3-Propanediamine, N-	NA	NA	NA	N	2	2		3		7	7				
106376	1,4-Dibromobenzene	NA	NA	NA	N	3	1	2	3	6	7	7	7	Y		

B-13

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
106467	1,4-Dichlorobenzene	1,453,487	6,137,434	225,913	L	91	3	1	1	3	5	7	7		Air freshener, pesticide	
100254	1,4-Dinitrobenzene	26,737	29,626	NA	X	91	3	1	3	3	7	7	7			
12217797	1,5-Diaminochloro-4,8-dihydroxy-9,10-anthracenedione	NA	NA	NA		N	3	1		3		7	7	Y		
82280	1-Amino-2-methyl-9,10-anthracenedione	NA	NA	NA		91	3	1	2	3	6	7	7	Y	Dyes & Pigments	
17418585	1-Amino-4-hydroxy-2-phenoxy-9,10-anthracene	NA	NA	NA		N	3	1		3		7	7	Y		
112185	1-Dodecanamine, N,N-dimethyl-	NA	NA	NA		N	2	2		3		7	7	Y	Surfactant	
112414	1-Dodecene	NA	NA	NA		N	2	2		3		7	7		Hydrocarbon	
143271	1-Hexadecanamine	NA	NA	NA		N	2	2		3		7	7	Y		
54395527	1H-Isoindole-1,3(2H)-dione, 5,5'-.gamma.(1-methylethylidene) bis(4,1-phenyleneoxy).sigma.bi	NA	NA	NA		N	3	3		1		7	7	Y		
96082	1-Methyl-4-(2-methyloxiranyl)-7-oxabicyclo 4.1.0 heptane	NA	NA	NA		N	3	1		3		7	7	Y		
5502885	1-Methyl-4-isopropylcyclohexene	NA	NA	NA		N	1	3		3		7	7	Y		
112754	1-Tetradecanamine, N,N-dimethyl-	NA	NA	NA		N	2	2		3		7	7	Y	Chemical intermediate	
112721	1-Tetradecanol	NA	NA	NA		N	2	2		3		7	7	Y		
67905322	1-Tetradecanol, aluminum salt	NA	NA	NA		N	2	2		3		7	7	Y		
2437561	1-Tridecene	NA	NA	NA		N	2	2		3		7	7		Hydrocarbon	
3864991	2-(2'-Hydroxy-3',5'-di-t-butyl)-5-chlorobenzotriazole	NA	NA	NA		N	3	1		3		7	7	Y		
2440224	2-(2'-Hydroxy-5-methylphenyl)benzotriazole	NA	NA	NA		N	2	2		3		7	7	Y		
25085998	2,2'-(1-Methylethylidene)bis(4,1-phenyleneoxymethylene) bisoxirane, ho	NA	NA	NA		N	3	1		3		7	7	Y		
6846500	2,2,4-Trimethyl-1,3-pentanediol diisobutylate	NA	NA	NA		N	2	3		2		7	7			
54208638	2,2'-[Methylenebis(2,1-oxirane)]	NA	NA	NA		N	3	1		3		7	7	Y		
39817099	2,2'-[Methylenebis(phenyleneoxymethylene)] bisoxirane	NA	NA	NA		N	3	1		3		7	7	Y		
97234	2,2'-Methylenebis(4-chloro)phenol	NA	NA	NA		97	3	1		3		7	7		Pesticide	

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
119471	2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	NA	NA	5	S	N	3	1		3		7	7			
2077465	2,3,6-Trichlorotoluene	NA	NA	NA		N	2	2		3		7	7	Y		Solvent, dielectric fluid, pesticide intermediate
608275	2,3-Dichlorobenzylamine	NA	NA	NA		N	3	1		3		7	7	Y		
68298464	2,3-Dihydro-2,2-dimethyl-7-benzofuranamine	NA	NA	NA		N	3	1		3		7	7	Y		
3380345	2,4,4'-Trichloro-2'-hydroxidiphenyl ether	NA	NA	NA		N	3	1		3		7	7			Drug, cosmetics
93721	2,4,5-TP (Silvex)	NA	NA	17,637	L	N	3	1	2	3	6	7	7		Y	Herbicide
147820	2,4,6-Tribromobenzylamine	NA	NA	NA		N	3	1		3		7	7	Y		
118796	2,4,6-Tribromophenol	NA	NA	NA		N	3	1		3		7	7			Antiseptic
634935	2,4,6-Trichloroaniline	NA	NA	NA		N	3	1	1	3	5	7	7	Y		
62016379	2,4,6-Trimethyloctane	NA	NA	NA		N	1	3		3		7	7	Y		
94757	2,4-D	260,061	99,380	27,668	L	91	3	1	2	3	6	7	7			Herbicide
554007	2,4-Dichlorobenzylamine	NA	NA	NA		N	3	1		3		7	7			
51285	2,4-Dinitrophenol	316,098	1,716,941	962,518	L	91	3	1	2	3	6	7	7			Organic synthesis of dyes, wood preservatives, insecticides, etc.
20103097	2,5-Dichloro-1,4-benzenediamine	NA	NA	NA		N	3	1		3		7	7	Y		
28777982	2,5-Furandione, dihydro-3-(octadecenyl)-	NA	NA	NA		N	3	1		3		7	7	Y		
26544387	2,5-Furandione, dihydro-3-(tetrapropenyl)-	NA	NA	NA		N	2	2		3		7	7	Y		
827941	2,6-Dibromo-4-nitrobenzylamine	NA	NA	NA		N	3	1		3		7	7	Y		
99285	2,6-Dibromo-4-nitrophenol	NA	NA	NA		N	3	1		3		7	7	Y		
99309	2,6-Dichloro-4-nitroaniline	NA	75	NA		97	3	1		3		7	7			
609201	2,6'-Dichloro-p-phenylenediamine	NA	NA	NA		N	3	1	2	3	6	7	7	Y		
128392	2,6-Di-tert-butyl phenol	NA	NA	NA		N	3	1		3		7	7	Y		
128370	2,6-Di-tert-butyl-p-cresol	NA	NA	8,799,033	S	N	3	2	2	2	7	7	7			
1208522	2-[(4-Aminophenyl)methyl] benzenamine	NA	NA	NA		N	3	1		3		7	7	Y		

B-15

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information	
95307	2-Benzothiazoyl-N,N-diethylthiocarbamyl sulfide	NA	NA	NA	N	2	2		3		7	7	Y				
99296	2-Bromo-6-chloro-4-nitrobenzenamine	NA	NA	NA	N	3	1		3		7	7	Y				
2052075	2-Bromobiphenyl	NA	NA	NA	N	2	2		3		7	7	Y				
6283256	2-Chloro-5-nitrobenzenamine	NA	NA	NA	N	3	1		3		7	7	Y				
87638	2-Chloro-6-methyl benzenamine	NA	NA	NA	N	3	1		3		7	7	Y				
95512	2-Chloroaniline	NA	NA	NA	N	3	1		3		7	7					
2136892	2-Chlorobenzotrichloride	NA	NA	NA	N	3	2		2		7	7	Y				
40164690	2-Chloro-N-(chloromethyl)-N-(2,6-diethylphenyl)acetamide	NA	NA	NA	N	3	1		3		7	7	Y				
615463	2-Chloro-p-phenylenediamine, dihydrochloride	NA	NA	NA	N	3	1		3		7	7	Y				
6219712	2-Chloro-p-phenylenediamine, sulfate	NA	NA	NA	N	3	1		3		7	7	Y				
1241947	2-Ethylhexyl diphenyl phosphate	NA	NA	NA	N	2	2		3		7	7		Plasticizer			
75790840	2-Isocyanato-4-[(4-isocyanatophenyl)methyl]-1-methyl]benzene	NA	NA	NA	N	3	3		1		7	7	Y				
99592	2-Methoxy-5-nitrobenzenamine	301	NA	NA	91	3	1	2	3	6	7	7	Y				
7534943	2-Methyl-2-propenoic acid,1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester	NA	NA	NA	N	2	2		3		7	7	Y				
97563	2-Methyl-4-((2-methylphenyl)azo)benzenamine	2	0	NA	91	3	1	2	3	6	7	7	Y				
91576	2-Methylnaphthalene	NA	NA	29	L	N	3	1		3		7	7		Organic synthesis, insecticides		
68239838	2-Nitro-1,4-benzenediamine sulfate (1:1)	NA	NA	NA	N	3	1		3		7	7	Y				
18266529	2-Nitro-1,4-benzenediamine, dihydrochloride	NA	NA	NA	N	3	1		3		7	7	Y				
5307142	2-Nitro-p-phenylenediamine	NA	NA	NA	N	3	1	2	3	6	7	7	Y				
67124098	2-Propanol, 1-tert-dodecylthio)-	NA	NA	NA	N	2	2		3		7	7	Y				
3290924	2-Propenoic acid, 2-methyl-, 2-ethyl-2-.gamma.(2-methyl-1-oxo-2-propenyl)oxy-.sigma.-methy	NA	NA	NA	N	2	2		3		7	7	Y				
3076048	2-Propenoic acid, tridecyl ester	NA	NA	NA	N	2	2		3		7	7	Y				

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
14143603	2-Pyridinecarbonitrile, 4-amino-3,5,6-trichloro-	NA	NA	NA	N	3	1		3		7	7	Y			
119904	3,3'-Dimethoxybenzidine	40	0	NA	L	91	3	1	1	3	5	7	7	Y		
119937	3,3'-Dimethylbenzidine	NA	NA	NA	L	91	3	1	3	2	7	6	7			
20325400	3,3'-Dimethoxybenzidine dihydrochloride	NA	51	NA		97	3	1	2	3	6	7	7	Y		
328847	3,4-Dichlorobenzotrifluoride	NA	NA	NA		N	3	2		2		7	7	Y		
95749	3-Chloro-p-toluidine	NA	NA	NA		N	3	1		3		7	7			
919620	3-Methyl-1-butanol phosphate (3:1)	NA	NA	NA		N	2	2		3		7	7	Y		
60093	4-(Phenylazo)benzenamine	130	3	NA		91	3	1	2	3	6	7	7			
1139306	4,12,12-Trimethyl-9-methylene-5-oxatricyclo[8.2.0.0 (4,6)]dodecane	NA	NA	NA		N	1	3		3		7	7	Y		
80080	4,4-Diaminodiphenyl sulfone	NA	NA	NA		N	3	1	2	3	6	7	7	Y		
118821	4,4'-Methylenebis(2,6-di-tert-butyl phenol)	NA	NA	NA		N	3	1		3		7	7	Y	Rubber processing	
101144	4,4'-Methylenebis(2-chloroaniline)	4,189	8,982	0	L	91	3	1	2	3	6	7	7	Y	Catalyst, chemical intermediate	
838880	4,4'-Methylenebis(2-methylaniline) (MBOT)	NA	NA	NA		N	3	1	2	3	6	7	7	Y		
101779	4,4'-Methylenebisbenzenamine	491,633	253,267	22,632	S	91	3	1	2	3	6	7	7	Y		
13552448	4,4'-Methylenedianiline dihydrochloride (MDA)	NA	NA	NA		N	3	1	2	3	6	7	7	Y		
101688	4,4'-Methylenediphenyl isocyanate	2,698,923	NA	22,010	S	N	1	3	3	3	7	7	7		Chemical Intermediates	
80513	4,4'-Oxybis (benzenesulfonylhydrazide)	NA	NA	NA		N	3	1		3		7	7	Y		
101804	4,4'-Oxybisbenzenamine	4,210	385,338	NA		91	3	1	3	3	7	7	7			
96695	4,4'-Thiobis(6-tert-butyl-m-cresol)	NA	NA	125	S	N	3	1		3		7	7		Antioxidant	
139651	4,4'-Thiobisbenzenamine	NA	NA	NA		91	3	1	2	3	6	7	7	Y		
17302237	4,5-Dimethylnonane	NA	NA	NA		N	1	3		3		7	7	Y		
1940427	4-Bromo-2,5-dichlorophenol	NA	NA	NA		N	3	1		3		7	7	Y		
68459983	4-Chloro-1,2-benzenediamine sulfate (1:1)	NA	NA	NA		N	3	1		3		7	7	Y		

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
68239805	4-Chloro-1,3-benzenediamine sulfate (1:1)	NA	NA	NA	N	3	1	2	3	3	6	7	7	Y		
120321	4-Chloro-2-chlorophenol (phenylmethyl)phenol	NA	NA	NA	N	2	2	2	3	6	7	7	7			
95692	4-Chloro-2-methylaniline	NA	NA	NA	97	3	1	2	3	6	7	7	7	Y		
3165933	4-Chloro-2-methylaniline hydrochloride	NA	NA	NA	L	N	3	1	2	3	6	7	7	Y		
635223	4-Chloro-3-nitrobenzenamine	NA	NA	NA	N	3	1		3		7	7	7	Y		
5131602	4-Chloro-m-phenylenediamine	NA	NA	NA	N	3	1	2	3	6	7	7	7	Y		
95830	4-Chloro-o-phenylenediamine	NA	NA	NA	N	3	1	1	3	5	7	7	7	Y		
106489	4-Chlorophenol	NA	NA	1,069	S	N	3	1		3		7	7			
68239827	4-Nitro-1,2-benzenediamine sulfate (1:1)	NA	NA	NA	N	3	1		3		7	7	7	Y		
5131588	4-Nitro-m-phenylenediamine	NA	NA	NA	N	3	1		3		7	7	7	Y		
6219778	4-Nitro-o-phenylenediamine, sulfate	NA	NA	NA	N	3	1		3		7	7	7	Y		
4175375	4-Octyldiphenylamine	NA	NA	NA	N	2	2		3		7	7	7	Y	Rubber processing	
42389300	5-Chloro-3-nitro-1,2-benzenediamine	NA	NA	NA	N	3	1		3		7	7	7	Y		
1632708	5-Methylundecane	NA	NA	NA	N	2	2		3		7	7	7	Y		
56863026	9,12-Octadecadienamide, N,N-bis(2-hydroxyethyl)-, (Z,Z)-	NA	NA	NA	N	2	2		3		7	7	7	Y		
93834	9-Octadecenamide, N,N-bis(2-hydroxyethyl)-, (Z)-	NA	NA	NA	N	2	2		3		7	7	7	Y		
112914	9-Octadecenenitrile, (A)-	NA	NA	NA	N	2	2		3		7	7	7	Y		
112629	9-Octadecenoic acid (A)-, methyl ester	NA	NA	NA	N	2	2		3		7	7	7	Y		
514103	Abietic acid	NA	NA	NA	N	3	1		3		7	7			Growth regulator, sizing agent for paper, chem. intermediate	
83329	Acenaphthene	NA	NA	34,629	L	N	2	2	2	3	6	7	7		PAH	
208968	Acenaphthylene	NA	NA	10,551	L	N	2	2		3		7	7	Y		
900958	Acetoxytriphenylstannane	NA	NA	NA	N	3	1	3	3	7	7	7	7			
116063	Aldicarb	NA	20,597	NA	L	97	3	1	2	3	6	7	7		Carbamate Insecticide	
1646884	Aldicarb sulfone	NA	NA	NA	L	N	3	1	2	3	6	7	7		Carbamate Insecticide	

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
68526589	Alkenes, C12-rich	NA	NA	NA	N	2	2		3		7	7	Y			Hydrocarbon
107186	Allyl alcohol	1,707,457	4,220,949	170,158	L	91	3	1	2	3	6	7	7			
7429905	Aluminum	79,002,471	83,062,383	320,736	S	91	3	1		3		7	7			Metal
19141823	Aluminum hexadecyloxide	NA	NA	NA	N	2	2		3		7	7	Y			
834128	Ametryn	NA	121,257	NA		97	3	1	2	3	6	7	7			
7440360	Antimony	28,870,075	23,111,068	4,224,522	L	91	3	1	3	2	7	6	7			Metal
1397940	Antimycin A	NA	NA	NA	N	2	2		3		7	7				Drug
68966847	ar-Ethyl-ar-methyl-1,3-benzenediamine	NA	NA	NA	N	3	1		3		7	7	Y			
7440382	Arsenic	12,450,829	8,359,095	3,872,583	L	91	3	1	3	3	7	7	7			Metal
1912249	Atrazine	NA	1,474,847	26,581	S	97	3	1	2	3	6	7	7			Herbicide
492808	Auramine	NA	NA	NA	L	91	3	1	1	3	5	7	7	Y		
10114586	Basic brown 1	NA	NA	NA	N	3	1		3		7	7				Dyes & Pigments
569642	Basic green 4	5,858	NA	NA		91	3	1		3		7	7			Dyes & Pigments
5042546	Basic orange 1	NA	NA	NA	N	3	1		3		7	7	Y			Dyes & Pigments
548629	Basic violet 3	NA	NA	NA	N	3	1		3		7	7				Dyes & Pigments
17804352	Benomyl	NA	604,000	NA	L	97	3	1	2	3	6	7	7			Fungicide
836306	Benzenamine, 4-nitro-N-phenyl-	NA	NA	NA	N	3	1		3		7	7	Y			
101633	Benzene, 1,1'-oxybis gamma.4-nitro	NA	NA	NA	N	3	1		3		7	7	Y			
80079	Benzene, 1,1'-sulfonylbis	NA	NA	NA	N	3	1		3		7	7	Y			
6196958	Benzene, 1,2-dimethyl-4-(1-phenylethyl)-	NA	NA	NA	N	1	3		3		7	7	Y			
3748138	Benzene, 1,3-bis (1-methylethenyl)-	NA	NA	NA	N	1	3		3		7	7	Y			
100185	Benzene, 1,4-bis(1-methylethyl)-	NA	NA	NA	N	1	3		3		7	7	Y			Chemical intermediate for organic syn.
97007	Benzene, 1-chloro-2,4-dinitro-	NA	NA	NA	N	3	1		3		7	7				
393759	Benzene, 2-chloro-1,3-dinitro-5-(trifluoromethyl)-	NA	NA	NA	N	3	1		3		7	7	Y			
25321099	Benzene, bis(1-methylethyl)-	NA	NA	NA	N	1	3		3		7	7	Y			

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
68648862	Benzene, C4-16-alkyl derivs.	NA	NA	NA	N	2	2		3		7	7	Y			
25340185	Benzene, triethyl-	NA	NA	NA	N	1	3		3		7	7	Y		Solvent, fuel component, chem. Intermediate	
103504	Benzyl ether	NA	NA	NA	N	2	2		3		7	7	Y			
118581	Benzyl salicylate	NA	NA	NA	N	2	2		3		7	7	Y			
7440417	Beryllium	285,037	124,700	1,081	L	91	3	1	3	3	7	7	7		Metal	
26741537	Bis(2,4-di-t-butyl) pentaerythritol diphosphite	NA	NA	NA	N	3	1		3		7	7	Y			
3658488	Bis(2-ethylhexyl)hydrogen phosphite	NA	NA	NA	N	2	2		3		7	7	Y			
90948	Bis(4-(dimethylamino)phenyl) methanone	703	436	NA	91	3	1	2	3	6	7	7	Y		Chemical intermediate (dyes)	
91974	Bitoluene diisocyanate	NA	NA	NA	N	3	3		1		7	7	Y		Chemical intermediate (pesticides, resins)	
4044659	Bitoscanate	NA	NA	NA	N	2	2		3		7	7			Drug	
74839	Bromomethane	593,141	5,146,452	6,229	L	91	3	1	2	3	6	7	7			
85687	Butyl benzyl phthalate	5,420,467	NA	34,634	L	N	2	2	2	3	6	7	7		Plasticizer	
2008415	Butylate	NA	NA	NA	L	N	2	2	2	3	6	7	7		Carbamate Insecticide	
1678939	Butylcyclohexane	NA	NA	NA	N	1	3		3		7	7	Y			
2475458	C.I. disperse blue 1	NA	NA	NA	N	3	1	2	3	6	7	7	Y		Dyes & Pigments	
2832408	C.I. Disperse yellow 3	1,965	2,122	NA	91	3	1	2	3	6	7	7	Y		Dyes & Pigments	
6410293	C.I. Pigment Red 32	NA	NA	NA	N	3	1		3		7	7	Y		Dyes & Pigments	
2152649	C.I. Solvent Blue 23	NA	NA	NA	N	3	1		3		7	7	Y		Dyes & Pigments	
2425061	Captafol	NA	NA	NA	N	3	1	2	3	6	7	7		Y	Fungicides	
52888809	Carbamothioic acid, dipropyl-, S-(phynylmethyl) ester	NA	NA	NA	L	N	2	2		3		7	7	Y		
10605217	Carbendazim	NA	NA	NA	L	N	3	1		3		7	7			
1563662	Carbofuran	NA	47,662	NA	L	97	3	1	2	3	6	7	7			
67762270	Cetearyl alcohol	NA	NA	NA	N	2	2		3		7	7	Y			
36653824	Cetyl alcohol	NA	NA	NA	N	2	2		3		7	7	Y			
305033	Chlorambucil	NA	NA	NA	L	N	3	1	3	2	7	6	7		Drug	

B-20

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
118752	Chloranil	NA	NA	NA	N	3	1	1	3	5	7	7	7			Dye Intermediate
5103719	Chlordane, alpha	NA	NA	NA	N	3	1		3		7	7	7	Y		Chlorinated Insecticide
470906	Chlorfenvinfos	NA	NA	NA	N	3	1	2	3	6	7	7	7			Organophosphate Insecticide
79118	Chloroacetic acid	1,063,896	1,345,933	NA		91	3	1	2	3	6	7	7			
67663	Chloroform	41,127,106	42,061,753	13,049,576	L	91	3	1	2	3	6	7	7			
121733	Chloronitrobenzene, m-	NA	NA	NA	N	3	1		3		7	7	7			
1897456	Chlorthalonil	213,319	270,485	619	S	91	3	1	2	3	6	7	7			Fungicide
7440473	Chromium	243,455,253	427,464,252	8,043,236	L	91	3	1	3	3	7	7	7			Metal
1937377	CI Direct Black 38	NA	NA	NA		91	3	1	3	3	7	7	7			Dyes & Pigments
3618722	CI Disperse Blue 79:1	NA	NA	NA	N	3	1		3		7	7	7	Y		Dyes & Pigments
64868	Colchicine	NA	NA	NA	N	3	1	3	2	7	6	7	7			Drug
7440508	Copper	972,069,089	1,628,767,983	561,264	L	91	3	1	3	3	7	7	7			Metal
56724	Coumaphos	NA	NA	NA	N	2	2		3		7	7	7			Organophosphate Insecticide
5836293	Coumatetralyl	NA	NA	NA	N	2	2		3		7	7	7	Y		
57125	Cyanide	17,924,329 ^b	15,027,478 ^b	4,424,617	L	91	3	1	2	3	6	7	7			Chem intermediate, fumigation
294622	Cyclododecane	NA	NA	NA	N	2	3		2		7	7	7			Hydrocarbon
1724396	Cyclododecanol	NA	NA	NA	N	2	2		3		7	7	7	Y		
6069983	Cyclohexane, 1-methyl-4-(1-methylethyl)-, cis-	NA	NA	NA	N	1	3		3		7	7	7	Y		
69430246	Cyclomethicone	NA	NA	NA	N	2	2		3		7	7	7	Y		
1163195	Decabromodiphenyl oxide	2,460,127	2,193,279	NA		91	3	1	2	3	6	7	7	Y		Flame retardant
1002693	Decane, 1-chloro-	NA	NA	NA	N	2	2		3		7	7	7	Y		
65381091	Decanoic acid, ester with 1,2,3-propanetriol octanoate	NA	NA	NA	N	2	2		3		7	7	7	Y		
2303164	Diallate	NA	NA	NA	L	91	3	2	2	2	7	7	7			Carbamate Insecticide
333415	Diazinon	NA	94,937	NA		97	3	1	2	3	6	7	7			Organophosphate Insecticide

B-21

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information	
538749	Dibenzyl sulfide	NA	NA	NA	N	2	2		3		7	7	Y				
109433	Diethyl sebacate	NA	NA	NA	N	2	2		3		7	7			Plasticizer		
93050	Diethyl-p-phenylenediamine	NA	NA	NA	N	3	1		3		7	7	Y				
1675543	Diglycidal ether of Bisphenol A	NA	NA	117	S	N	3	1	1	3	5	7	7	Y			
68515446	Diheptyl phthalate (branched and linear isomers)	NA	NA	NA	N	2	2		3		7	7	Y				
141048	Diisobutyl adipate	NA	NA	NA	N	2	2		3		7	7	Y				
25550985	Diisodecyl phenyl phosphite	NA	NA	NA	N	3	1		3		7	7	Y				
26761400	Diisodecyl phthalate	NA	NA	NA	N	3	1		3		7	7			Plasticizer		
68515491	Diisodecyl phthalate (mixed isomers)	NA	NA	NA	N	3	1		3		7	7	Y		Plasticizer		
98497	Diisopropyl benzene hydroperoxide	NA	NA	NA	N	3	1		3		7	7	Y				
60515	Dimethoate	NA	2,192	NA	L	97	3	1	3	3	7	7	7		Organophosphate Insecticide		
110338	Di-n-hexyl adipate	NA	NA	NA	N	2	2		3		7	7					
84753	Di-n-hexyl phthalate	NA	NA	NA	N	2	3		2		7	7			Plasticizer		
1594565	Dinitro-1-thiocyanobenzene	NA	NA	NA	N	3	1		3		7	7	Y				
88857	Dinoseb	NA	297,965	106,324	L	97	3	1	2	3	6	7	7		Y	Herbicide	
1420071	Dinoterp	NA	NA	NA	N	3	1		3		7	7	Y		Pesticide		
97392	Di-o-tolylguanidine	NA	NA	NA	N	3	1		3		7	7	Y				
78342	Dioxathion	NA	NA	NA	N	3	1	2	3	6	7	7					
82666	Diphacinone	NA	NA	NA	N	3	1		3		7	7	Y		Pesticide		
84628	Diphenyl phthalate	NA	NA	NA	N	2	2		3		7	7			Plasticizer		
75980608	Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	NA	NA	NA	N	3	1		3		7	7	Y				
122394	Diphenylamine	NA	2,096,641	2,695,192	L	97	3	1	2	3	6	7	7				
2602462	Direct blue 6	NA	NA	NA	91	3	1	3	2	7	6	7			Dyes & Pigments		
6598636	Direct orange 102	NA	NA	NA	N	3	1		3		7	7	Y		Dyes & Pigments		
107460	Disiloxane, hexamethyl-	NA	NA	NA	N	2	2		3		7	7	Y				
3806346	Distearyl pentaerythritol diphosphite	NA	NA	NA	N	3	1		3		7	7	Y				
298044	Disulfoton	NA	NA	0	L	N	2	2	3	3	7	7	7		Organophosphate Insecticide		

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
60106	Dithizone	NA	NA	NA	N	3	1		3		7	7	Y			
112527	Dodecane, 1-chloro-	NA	NA	NA	N	2	2		3		7	7			Solvent, flame retardant, metalworking	
112403	Dodecane, n-	NA	NA	NA	N	2	2		3		7	7	Y		Hydrocarbon	
112550	Dodecyl mercaptan, n-	NA	NA	NA	N	2	2		3		7	7			Rubber processing	
25103586	Dodecyl mercaptan, tert	NA	NA	NA	N	2	2		3		7	7	Y			
3234284	Dodecyloxirane	NA	NA	NA	N	2	2		3		7	7	Y			
27193868	Dodecylphenol	NA	NA	NA	N	2	2		3		7	7			Chemical intermediate	
115297	Endosulfan	NA	NA	910	L	N	1	3	2	3	6	7	7		Chlorinated Insecticide	
1031078	Endosulfan sulfate	NA	NA	1	L	N	3	1		3		7	7		Chlorinated Insecticide	
50146	Ergocalciferol	NA	NA	NA	N	3	1	2	3	6	7	7	Y		Vitamin	
9004573	Ethyl cellulose	NA	NA	NA	N	3	1		3		7	7	Y			
111604	Ethylene glycol stearate	NA	NA	NA	N	2	2		3		7	7	Y			
2235258	Ethylmercuric phosphate	NA	NA	NA	N	3	1		3		7	7				
22224926	Fenamiphos	NA	NA	NA	N	3	1	3	1	7	5	7			Organophosphate Insecticide	
122145	Fenitrothion	NA	NA	NA	N	3	1	2	3	6	7	7				
4301502	Fluenetil	NA	NA	NA	N	2	2		3		7	7	Y			
2164172	Fluometuron	29,465	19,257	NA	91	3	1	2	3	6	7	7			Herbicide	
59756604	Fluridone	NA	NA	NA	N	3	1	1	3	5	7	7				
944229	Fonofos	NA	NA	NA	N	3	1	2	3	6	7	7			Organophosphate Insecticide	
531828	Furium	NA	NA	NA	N	3	1	3	2	7	6	7				
25496724	Glycerol monooleate	NA	NA	NA	N	2	2		3		7	7	Y			
86500	Guthion	NA	NA	NA	N	3	1	2	3	6	7	7			Organophosphate Insecticide	
76448	Heptachlor	4	4,701	5	L	91	1	3	3	3	7	7	7		Chlorinated Insecticide	
20278891	Heptane, 3,4,5-trimethyl-	NA	NA	NA	N	1	3		3		7	7	Y			

B-23

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
68515753	Heptyl nonyl adipate	NA	NA	NA		N	2	2	3		7	7	7	Y		
608731	Hexachlorocyclohexane	NA	NA	NA	X	N	2	2	2	3	6	7	7		Y	Chlorinated Insecticide
77474	Hexachlorocyclopentadiene	213,523	300,623	1,852	L	91	2	2	2	3	6	7	7			Chemical Intermediate
67721	Hexachloroethane	6,954,363	6,298,214	1,477,466	L	91	2	2	2	3	6	7	7			Chemical Intermediate
70304	Hexachlorophene	NA	NA	NA	L	97	3	1	3	3	7	7	7			Antiseptic
629798	Hexadecanenitrile	NA	NA	NA		N	2	2		3		7	7	Y		
541059	Hexamethylcyclotrisiloxane	NA	NA	NA		N	2	2		3		7	7	Y		
68553140	Hydrocarbons, C8-11	NA	NA	NA		N	1	3		3		7	7	Y		Hydrocarbon
74908	Hydrocyanic acid	30,075,204	66,735,544	15,320,184	L	91	3	1	2	3	6	7	7			
74884	Iodomethane	46,905	38,876	60	L	91	3	1	3	2	7	6	7	Y		
29761215	Isodecyl diphenyl phosphate	NA	NA	NA		N	2	2		3		7	7			Flame retardant, plasticizer
29964849	Isodecyl methacrylate	NA	NA	NA		N	2	2		3		7	7	Y		
26544230	Isodecyl phenyl phosphite, ((C ₁ OH ₂ O)(PhO) ₂ P)	NA	NA	NA		N	3	1		3		7	7	Y		
25448253	Isodecyl phosphite	NA	NA	NA		N	3	1		3		7	7	Y		
66085005	Isooctadecanoic acid, monoester with 1,2,3-propanetriol	NA	NA	NA		N	2	2		3		7	7	Y		
4098719	Isophorone diisocyanate	NA	NA	NA		N	3	2		2		7	7	Y		
330552	Linuron	NA	1,990	NA		97	3	1	2	3	6	7	7			Herbicide
9003081	Melamine-formaldehyde resins	NA	NA	NA		N	3	1		3		7	7	Y		
148823	Melphalan	NA	NA	NA	L	N	3	1	3	1	7	5	7			Chemotherapy Drug
1600277	Mercuric acetate	NA	NA	NA		N	3	1	2	3	6	7	7			
25646713	Methanesulfonamide, N-gamma. 2-(4-amino-N-ethyl-m-toluidino)ethyl.sigma.-, sulfate(2:3)	NA	NA	NA		N	3	1		3		7	7	Y		
2032657	Methiocarb	NA	NA	NA	L	97	3	1		3		7	7			
22967926	Methyl mercury	NA	NA	NA		N	1	3	3	3	7	7	7			

B-24

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
298000	Methyl parathion	NA	2,684	1	L	97	3	1	3	3	7	7	7			Organophosphate insecticide
1335462	Methylionone	NA	NA	NA	N	1	3		3		7	7	7	Y		
68609972	Mono[(C (12-14)-alkyloxy)methyl] oxirane derivatives	NA	NA	NA	N	2	2		3		7	7	7	Y		
103968	N,N'-Bis(1-methylheptyl)p-phenylenediamine	NA	NA	NA	N	2	2		3		7	7	7	Y		Antioxidant and stabilizer (rubber industry)
93823	N,N-bis(2-hydroxyethyl)-octadecanamide	NA	NA	NA	N	2	2		3		7	7	7	Y		
104698	N,N'-Diphenyl-1,3-propylenediamine	NA	NA	NA	N	3	1		3		7	7	7	Y		
101962	N,N'-Di-sec-butyl-p-phenylenediamine	NA	NA	NA	N	3	1		3		7	7	7			
91203	Naphthalene	38,468,467	36,625,481	1,521,343	L	91	2	2	2	3	6	7	7			
63512641	Naphthalene, diisononyl-	NA	NA	NA	N	3	1		3		7	7	7	Y		
7440020	Nickel	132,208,516	255,948,864	1,965,068	L	91	3	1	3	3	7	7	7			Metal
54115	Nicotine ^a	NA ^a	776,061 ^a	NA	L	97	3	1	3	2	7	6	7	Y		Insecticide
98953	Nitrobenzene	8,856,040	7,502,494	1,092,619	L	91	3	1	3	3	7	7	7			
27753522	Nonabromobiphenyl (unspecified location of bromines)	NA	NA	NA	N	3	1		3		7	7	7	Y		
15869859	Nonane, 5-methyl-	NA	NA	NA	N	1	3		3		7	7	7	Y		
28472971	Nonanedioic acid, diisodecyl ester	NA	NA	NA	N	3	1		3		7	7	7	Y		
991424	Norbornide	NA	NA	NA	N	3	1		3		7	7	7	Y		Pesticide
101724	N-Phenyl-N'-isopropyl-p-phenylenediamine	NA	NA	NA	N	3	1		3		7	7	7			
27858077	Octabromobiphenyl, (ar,ar,ar,ar,ar',ar',ar',ar')-	NA	NA	NA	N	3	1		3		7	7	7	Y		
32536520	Octabromodiphenyl oxide	NA	NA	NA	N	3	1	2	3	6	7	7	7	Y		Flame retardant
110305	Octadecanamide, N,N'-1,2-ethanediylibis-	NA	NA	NA	N	3	1		3		7	7	7	Y		
141231	Octadecanoic acid, 12-hydroxy-, methyl ester	NA	NA	NA	N	2	2		3		7	7	7	Y		
53422165	Octadecanoic acid, 12-hydroxy-, methyl ester, lithium salt	NA	NA	NA	N	2	2		3		7	7	7	Y		
111659	Octane	NA	NA	1,809	S	N	1	3		3		7	7			Hydrocarbon

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
31335747	Octanoic acid, 2,2-dimethyltrimethylene ester	NA	NA	NA	N	2	2		3		7	7	Y			
112903	Oleyl amine	NA	NA	NA	N	2	2	3	1	7	5	7			Surface active agent, detergents, pharmaceuticals	
64771717	Paraffins (>C10)	NA	NA	NA	N	2	2		3		7	7	Y		Hydrocarbon	
56382	Parathion	1,014	0	NA	L	91	3	1	2	3	6	7	7		Organophosphate Insecticide	
2570265	Pentadecylamine	NA	NA	NA	N	2	2		3		7	7	Y			
1331926	Pentyl cinnamaldehyde	NA	NA	NA	N	2	2		3		7	7	Y			
4292926	Pentylcyclohexane	NA	NA	NA	N	1	3		3		7	7	Y			
78637	Peroxide, (1,1,4,4-tetramethyl-1,4-butanediyl)bis	NA	NA	NA	N	3	3		1		7	7	Y			
25155253	Peroxide, .gamma.-1,3(or 1,4)-phenylenebis(1-methylethylidene)-.sigma.-bis-.gamma.(1,1-dime	NA	NA	NA	N	3	3		1		7	7	Y			
108952	Phenol	101,277,100	116,297,653	13,507,679	L	91	3	1	1	3	5	7	7		Chemical Intermediat, disinfectant	
27193288	Phenol, (1,1,3,3-tetramethylbutyl)-	NA	NA	NA	N	2	2		3		7	7	Y			
96764	Phenol, 2,2-bis(1,1-dimethylethyl)-	NA	NA	141,345	S	N	3	1		3		7	7	Y		
52166720	Phenol, 2,5-dichloro- sodium deriv.	NA	NA	NA	N	3	1		3		7	7	Y			
68938818	Phenol, 2,5-dichloro-, potassium salt	NA	NA	NA	N	3	1		3		7	7	Y			
50594779	Phenol, 3-2-chloro-4-(trifluoromethyl)phenoxy-, acetate	NA	NA	NA	N	2	2		3		7	7	Y			
599644	Phenol, 4-(1-methyl-1-phenylethyl)-	NA	NA	22,555,351	S	N	2	2		3		7	7	Y		
104438	Phenol, 4-dodecyl-	NA	NA	NA	N	2	2		3		7	7		Chemical intermediate		
1435718	Phenol, 4-methyl-2-	NA	NA	NA	N	3	1		3		7	7	Y			
25154523	Phenol, nonyl-	NA	NA	6,077	S	N	2	2		3		7	7		Chemical intermediate	
92842	Phenothiazine	NA	NA	10,351	S	N	2	2		3		7	7	Y		
62384	Phenylmercury acetate	NA	NA	NA	L	N	3	1	3	3	7	7	7		Catalyst	
90437	Phenylphenol, o-	12,793	1,035,290	NA	91	3	1	1	3	5	7	7	7			

B-26

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
298022	Phorate	NA	NA	324,633	L	N	3	1	3	3	7	7	7			Organophosphate Insecticide
4104147	Phosacetim	NA	NA	NA		N	3	1		3		7	7			Organophosphate Insecticide
75445	Phosgene	7,371,115	15,494,268	230,154	L	91	3	1	3	1	7	5	7			Chem synthesis, dyes, drugs, pesticides
563042	Phosphoric acid, tris(3-methylphenyl)ester	NA	NA	NA		N	3	2		2		7	7			
84800	Phylloquinone	NA	NA	NA		N	3	1		3		7	7	Y		
88891	Picric acid	1,891,265	1,364,269	NA		91	3	1	3	2	7	6	7	Y		
1324761	Pigment blue 61	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
6505288	Pigment orange 16	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
3468631	Pigment orange 5	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
6655841	Pigment red 17	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
5521313	Pigment red 179	NA	NA	NA		N	3	2		2		7	7	Y		Dyes & Pigments
6041947	Pigment red 2	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
6471494	Pigment red 23	NA	NA	NA		N	3	1	2	3	6	7	7	Y		Dyes & Pigments
2425856	Pigment red 3	NA	NA	NA		N	3	1	2	3	6	7	7	Y		Dyes & Pigments
6410419	Pigment red 5	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
1047161	Pigment violet 19	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
6358301	Pigment violet 23	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
2512290	Pigment yellow 1	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
6358856	Pigment yellow 12	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
5102830	Pigment yellow 13	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
5468757	Pigment yellow 14	NA	NA	12	S	N	3	1	1	3	5	7	7	Y		Dyes & Pigments
4531491	Pigment yellow 17	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
6486233	Pigment yellow 3	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
13515407	Pigment yellow 73	NA	NA	NA		N	3	1		3		7	7	Y		Dyes & Pigments
99821	p-Menthane	NA	NA	NA		N	1	3		3		7	7	Y		
63793602	Poly(oxy(methyl-1,2-ethanediyl)), .alpha.-tetradecyl-.omega.-hydroxy-	NA	NA	NA		N	2	2		3		7	7	Y		

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information	
120525	p-Quinone bis(benzoyl-oxime)	NA	NA	NA	N	3	1		3		7	7	Y				
68239190	Propanenitrile, 3-(tridecyloxy)-	NA	NA	NA	N	2	2		3		7	7	Y				
35274056	Propanoic acid, 2-hydroxy-, hexadecyl ester	NA	NA	NA	N	2	2		3		7	7	Y				
139402	Propazine	NA	NA	NA	N	3	1	2	3	6	7	7			Fungicides & Herbicide		
2402791	Pyridine, 2,3,5,6-tetrachloro-	NA	NA	NA	N	3	1		3		7	7	Y				
1929824	Pyridine, 2-chloro-6-(trichloromethyl)-	NA	43,000	NA	97	3	1		3		7	7			Fertilizer, nitrification inhibitor		
2176627	Pyridine, pentachloro-	NA	NA	NA	N	3	1		3		7	7			Herbicide intermediate		
53558251	Pyriminil	NA	NA	NA	N	3	1		3		7	7	Y	Y	Pesticide		
7782492	Selenium	569,461	991,705	81,355	L	91	3	1	2	3	6	7	7		Metal		
122349	Simazine	NA	200,236	NA	97	3	1	2	3	6	7	7			Herbicide		
14351667	Sodium abietate	NA	NA	NA	N	3	1		3		7	7	Y				
1338438	Sorbitan monooleate	NA	NA	NA	N	2	2		3		7	7	Y				
1338416	Sorbitan, monooctadecanoate	NA	NA	NA	N	2	2		3		7	7	Y				
111013	Squalane	NA	NA	NA	N	3	1		3		7	7	Y				
1461229	Stannane, tributylchloro-	NA	NA	NA	N	1	3		3		7	7					
31566311	Stearin, mono-	NA	NA	NA	N	2	2		3		7	7	Y				
25377735	Succinic anhydride, dodecenyl-	NA	NA	NA	N	2	2		3		7	7	Y				
95067	Sulfallate	NA	NA	NA	L	N	3	1	2	3	6	7	7				
13071799	Terbufos	NA	NA	234,457	S	N	2	2	3	3	7	7	7		Organophosphate Insecticide		
79947	Tetrabromobisphenol A	NA	NA	NA	N	3	1		3		7	7			Flame Retardant		
4162452	Tetrabromobisphenol A bisethoxylate	NA	NA	NA	N	3	1		3		7	7	Y				
1634022	Tetrabutylthiuram disulfide	NA	NA	NA	L	N	2	2		3		7	7	Y	Rubber processing		
25167833	Tetrachlorophenol	NA	NA	NA	X	N	3	1	2	3	6	7	7		Pesticide		
961115	Tetrachlorvinphos	54,329	56,794	NA		91	3	1	2	3	6	7	7		Organophosphate Insecticide		
2425549	Tetradecane, 1-chloro-	NA	NA	NA		N	2	2		3		7	7	Y			

B-28

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
78002	Tetraethyl lead	NA	NA	NA	L	N	1	3	3	3	7	7	7			Gasoline additive, fungicide interm.
597648	Tetraethyl tin	NA	NA	NA		N	1	3	3	3	7	7	7			
917237	Tetraphenylporphrin	NA	NA	NA		N	3	1		3		7	7	Y		
59669260	Thiodicarb	NA	43,299	NA	L	97	3	1		3		7	7			Insecticide and molluscicide
137268	Thiram	NA	157,903	151	L	97	3	1	2	3	6	7	7			
27157944	Toly phosphorodithioate, ((C ₇ H ₇ O) ₂ (HS)PS)	NA	NA	NA		N	3	3		1		7	7	Y		
26523784	Tri-(nonylphenyl)phosphite	NA	NA	NA		N	3	1		3		7	7	Y		Rubber processing
2303175	Triallate	NA	189,744	NA	L	97	3	2	2	2	7	7	7			Carbamate Insecticide
25167822	Trichlorophenol	NA	NA	NA	X	N	3	1	1	3	5	7	7			Fungicides
1330785	Tricresyl phosphate	NA	NA	NA		N	3	1		3		7	7			Organophosphate Insecticide
629505	Tridecane	NA	NA	NA		N	2	2		3		7	7	Y		Hydrocarbon
94280	Triethylene glycol bis(2-ethylhexanoate)	NA	NA	NA		N	2	2		3		7	7	Y		
27251758	Trimellitic acid, triisooctyl ester	NA	NA	NA		N	3	1		3		7	7	Y		
479458	Trinitrophenylmethylnitramine	NA	NA	NA		N	3	1	2	3	6	7	7	Y		
115866	Triphenyl phosphate	NA	NA	NA		N	2	2	2	3	6	7	7			
639587	Triphenyltin chloride	NA	2,555	NA		97	2	2	2	3	6	7	7			
31570044	Tris(2,4-di-t-butylphenyl)phosphite	NA	NA	NA		N	3	1		3		7	7	Y		
1120214	Undecane	NA	NA	7	S	N	2	2		3		7	7	Y		Hydrocarbon
7440666	Zinc	662,682,908	677,045,146	17,671,084	L	91	3	1	1	3	5	7	7			Metal
107062	1,2-Dichloroethane	197,230,264	219,409,701	26,873,111	L	91	3	1	2	2	6	6	6			Solvent, gasoline additive, chem. intermediate
7005723	4-Chlorophenyl phenyl ether	NA	NA	29	L	N	1	2		3		6	6			
107028	Acrolein	2,731,782	9,063,663	242,906	L	91	2	1	3	3	6	6	6			Pesticide, chemical intermediate
79061	Acrylamide	5,254,927	6,685,877	5,428,292	L	91	2	1	3	3	6	6	6			
106934	Ethylene dibromide (EDB)	9,635	106,977	151	L	91	2	1	3	3	6	6	6			Pesticide, chemical intermediate

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
75218	Ethylene oxide	5,108,159	6,558,660	168,361	L	91	3	1	2	2	6	6	6			Chemical intermediate & industrial sterilant
640197	Fluoroacetamide	NA	NA	NA	L	N	2	1		3		6	6	Y		Pesticide
10265926	Methamidophos	NA	NA	NA		N	2	1	3	3	6	6	6			Insecticide
75092	Methylene chloride	172,955,880	145,600,835	33,849,330	L	91	3	1	2	2	6	6	6			Solvent
6923224	Monocrotophos	NA	NA	NA		N	2	1	2	3	5	6	6			Organophosphate insecticide (discontinued in US)
13171216	Phosphamidon	NA	NA	NA		N	2	1	2	3	5	6	6			Insecticide
127184	Tetrachloroethylene	154,472,465	90,967,904	19,997,973	L	91	3	1	2	2	6	6	6			Solvent, fumigant, chem. Intermediate
630206	1,1,1,2-Tetrachloroethane	NA	6,965,205	2,053,161	L	97	2	1	2	2	5	5	5			Solvent, chemical intermediate
79345	1,1,2,2-Tetrachloroethane	26,769,872	23,186,051	10,341,488	L	91	2	1	2	2	5	5	5			Solvent
91941	3,3'-Dichlorobenzidine	26,066	40,000	58	L	91	1	2	2	2	5	5	5			
123331	Maleic hydrazide	NA	NA	NA	L	N	2	1	1	2	4	5	5			Herbicide, growth inhibitor
79016	Trichloroethylene	277,297,885	173,495,230	8,424,720	L	91	2	1	2	2	5	5	5			Solvent
75070	Acetaldehyde	14,748,007	26,434,825	2,513,588	L	91	1	1	2	2	4	4	4			Chemical intermediate
59080409	2,2',4,4',5,5'-Hexabromobiphenyl	NA	NA	NA		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
485314	Binapacryl	NA	NA	NA		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			Pesticide
314409	Bromoacil	NA	58,521	NA		97	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			Herbicide
6164983	Chordimeform	NA	NA	NA		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		Y	Insecticide
7440484	Cobalt	9,204,346	14,012,126	9,409	L	91	3		3	3						
78432196	Dinitropyrene	NA	NA	NA		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			
143500	Kepone	NA	NA	NA	L	N		3	3	3					Y	Chlorinated insecticide
7439965	Manganese	255,097,010	418,984,302	1,413,758	S	91	3		3	3						Metal
2385855	Mirex	NA	NA	NA		N		3	3	3					Y	Chlorinated insecticide
29082744	Octachlorostyrene	NA	NA	NA		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			

Matrix 1. All Candidate Chemicals.

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)	Highest of the Two Concern Scores	Lowest Data Preference Indicator	Banned Chemicals	Use/Source Information
19044883	Oryzalin	NA	0	NA		97	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		Herbicide
42874033	Oxyfluorfen	NA	15,223	NA		97	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		Herbicide
1825214	Pentachloroanisole	NA	NA	NA	N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			Degradation product of pentachlorophenol
7440224	Silver	2,897,005	7,185,772	907,900	L	91	3		2	3						
56359	Tributyltin oxide	NA	8,455	NA		97	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			Fungicide, biocide
7440622	Vanadium	1,060,023	258,857	2,068	L	91	3		2	3						
<i>Total Candidate Chemicals in Matrix</i>		694														

NA = not available

^aX = chemical not on the list of 507 but on the Chemical-Waste Code Crosswalk

^bL = chemical listed on the list of 507 RCRA constituents

^cS = chemical neither on the list of 507 nor the Crosswalk, but found on the National Hazardous Waste Constituent Survey (NHWCS)

^dN = not currently listed in TRI

^e91 = chemical was on the 1991 TRI list and remains on the list at this time

^f97 = chemical was not on the 1991 list but is on the 1997 list

^gY = data for the greater of the two concern sources are of the lowest preference

^hY = banned chemical

Matrix 2. Candidate Chemicals with Quantities Greater than Zero

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score	Eco Concern Score	Larger of the Two	Data Preference Indicator
95943	1,2,4,5-Tetrachlorobenzene	NA	NA	221,883	L ^a	N ^d	3	3	3	3	9	9	9	
25973551	2-(2'-Hydroxy-3',5'-(di-t-amyl)phenyl)benzotriazole	NA	NA	406	S ^b	N	3	3		3		9	9	Y ^g
79743	2,5-Di-(1,1-dimethylpropyl)hydroquinone	NA	NA	17	S	N	3	3		3		9	9	
101553	4-Bromophenyl phenyl ether	NA	NA	29	L	N	3	3		3		9	9	
1861401	Benefin	NA	24,575	NA		97 ^e	3	3	1	3	7	9	9	
191242	Benzo(g,h,i)perylene	NA	NA	35	L	N	3	3		3		9	9	Y
7440439	Cadmium	8,066,675	13,836,981	2,956,983	L	91 ^f	3	3	3	3	9	9	9	
115322	Dicofol	56	495	NA		91	3	3	2	3	8	9	9	
117840	Di-n-octyl phthalate	271,332	NA	97,753	L	N	3	3	2	3	8	9	9	Y
959988	Endosulfan, alpha-	NA	NA	1	L	N	3	3		3		9	9	
33213659	Endosulfan, beta-	NA	NA	1	L	N	3	3		3		9	9	
206440	Fluoranthene	NA	NA	299	L	N	3	3	2	3	8	9	9	
86737	Fluorene	NA	NA	54,176	L	N	3	3	2	3	8	9	9	
1024573	Heptachlor epoxide	NA	NA	4	L	N	3	3	3	3	9	9	9	
118741	Hexachlorobenzene	5,473,936	3,307,411	1,369,941	L	91	3	3	2	3	8	9	9	
87683	Hexachlorobutadiene	12,276,759	7,077,331	3,131,152	L	91	3	3	3	3	9	9	9	
58899	Hexachlorocyclohexane, gamma-	2,302	3,155	17,856	L	91	3	3	3	3	9	9	9	
7439921	Lead	1,088,980,520	1,122,951,531	415,698,947	L	91	3	3	3	3	9	9	9	
7439976	Mercury	1,817,843	1,366,834	8,040,742	L	91	3	3	3	3	9	9	9	
72435	Methoxychlor	171	0	13,017	L	91	3	3	2	3	8	9	9	
40487421	Pendimethalin	NA	197,574	1,755,922	S	97	3	3	2	3	8	9	9	
608935	Pentachlorobenzene	NA	NA	190,427	L	N	3	3	2	3	8	9	9	
82688	Pentachloronitrobenzene	64,289	761,442	NA	L	91	3	3	2	3	8	9	9	
85018	Phenanthrene	NA	1,379,518	448,213	L	97	3	3		3		9	9	
732263	Phenol, 2,4,6-tris(1,1-dimethylethyl)-	NA	NA	92,207	S	N	3	3		3		9	9	
	Polychlorinated biphenyls	551,947	98,616	69,671 ^c	L	91	3	3	2	3	8	9	9	
N590	Polycyclic aromatic compounds	NA	22,623,435	161,017	L	97	3	3	2	3	8	9	9	
1582098	Trifluralin	110,323	211,406	5,236	S	91	3	3	2	3	8	9	9	
120821	1,2,4-Trichlorobenzene	3,410,471	1,634,536	478,219	L	91	3	3	2	2	8	8	8	
95954	2,4,5-Trichlorophenol	56,000	NA	35	L	91	2	3	1	3	6	8	8	
120127	Anthracene	11,411,478	2,236,075	24,315	L	91	3	2	1	3	6	8	8	

Matrix 2. Candidate Chemicals with Quantities Greater than Zero

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score	Eco Concern Score	Larger of the Two	Data Preference Indicator
56038892	Benzenamine, N-(1-ethylpropyl)-3,4-dimethyl-	NA	NA	86,244	S	N	3	2		3		8	8	Y
117817	Bis(2-ethylhexyl)phthalate	9,802,611	12,289,772	201,574	L	91	3	2	2	3	7	8	8	
1689992	Bromoxynil octanoate	NA	13,742	NA		97	2	3	2	3	7	8	8	
5598130	Chlorpyrifos methyl	NA	12,495	NA		97	3	2	2	3	7	8	8	
1861321	Dacthal	NA	NA	275	S	N	3	2	2	3	7	8	8	
78488	DEF	NA	2,857	NA		97	3	2	3	3	8	8	8	
132649	Dibenzofuran	5,280,555	526,361	29	L	91	2	3	2	3	7	8	8	
84742	Dibutyl phthalate	1,418,138	2,142,823	27,916	L	91	2	3	1	3	6	8	8	
319846	Hexachlorocyclohexane, alpha-	NA	NA	17,454	L	97	3	2	3	3	8	8	8	
319857	Hexachlorocyclohexane, beta-	NA	NA	17,427	L	N	3	2	2	3	7	8	8	Y
319868	Hexachlorocyclohexane, delta-	NA	NA	17,449	L	N	3	2	2	3	7	8	8	
87865	Pentachlorophenol	344,704	231,473	130,579	L	91	3	2	2	3	7	8	8	
9003536	Polystyrene	NA	NA	13,022	S	N	2	3		3		8	8	Y
129000	Pyrene	NA	NA	29,536	L	N	3	2	2	3	7	8	8	
2303175	Triallate	NA	189,744	NA	L	97	3	2	2	2	7	7	7	
71556	1,1,1-Trichloroethane	182,764,294	70,874,403	9,643,468	L	91	3	1	1	3	5	7	7	
75343	1,1-Dichloroethane	NA	2,943,149	1,559,854	L	97	3	1	1	3	5	7	7	
95501	1,2-Dichlorobenzene	13,376,377	12,499,204	1,048,860	L	91	3	1	1	3	5	7	7	
528290	1,2-Dinitrobenzene	203,821	444,292	NA		91	3	1	3	3	7	7	7	
541731	1,3-Dichlorobenzene	122,023	10,358	33	L	91	3	1		3		7	7	
99650	1,3-Dinitrobenzene	757,164	765,222	NA	L	91	3	1	3	2	7	6	7	
106467	1,4-Dichlorobenzene	1,453,487	6,137,434	225,913	L	91	3	1	1	3	5	7	7	
100254	1,4-Dinitrobenzene	26,737	29,626	NA	X ^c	91	3	1	3	3	7	7	7	
119471	2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	NA	NA	5	S	N	3	1		3		7	7	
94757	2,4-D	260,061	99,380	27,668	L	91	3	1	2	3	6	7	7	
51285	2,4-Dinitrophenol	316,098	1,716,941	962,518	L	91	3	1	2	3	6	7	7	
99309	2,6-Dichloro-4-nitroaniline	NA	75	NA		97	3	1		3		7	7	
128370	2,6-Di-tert-butyl-p-cresol	NA	NA	8,799,033	S	N	3	2	2	2	7	7	7	

Matrix 2. Candidate Chemicals with Quantities Greater than Zero

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score	Eco Concern Score	Larger of the Two	Data Preference Indicator
99592	2-Methoxy-5-nitrobenzenamine	301	NA	NA		91	3	1	2	3	6	7	7	Y
97563	2-Methyl-4-((2-methylphenyl)azo)benzenamine	2	0	NA		91	3	1	2	3	6	7	7	Y
91576	2-Methylnaphthalene	NA	NA	29	L	N	3	1		3		7	7	
119904	3,3'-Dimethoxybenzidine	40	0	NA	L	91	3	1	1	3	5	7	7	Y
20325400	3,3'-Dimethoxybenzidine dihydrochloride	NA	51	NA		97	3	1	2	3	6	7	7	Y
60093	4-(Phenylazo)benzenamine	130	3	NA		91	3	1	2	3	6	7	7	
101144	4,4'-Methylenebis(2-chloroaniline)	4,189	8,982	0	L	91	3	1	2	3	6	7	7	Y
101779	4,4'-Methylenebisbenzenamine	491,633	253,267	22,632	S	91	3	1	2	3	6	7	7	Y
101688	4,4'-Methylenediphenyl isocyanate	2,698,923	NA	22,010	S	N	1	3	3	3	7	7	7	
101804	4,4'-Oxybisbenzenamine	4,210	385,338	NA		91	3	1	3	3	7	7	7	
96695	4,4'-Thiobis(6-tert-butyl-m-cresol)	NA	NA	125	S	N	3	1		3		7	7	
106489	4-Chlorophenol	NA	NA	1,069	S	N	3	1		3		7	7	
83329	Acenaphthene	NA	NA	34,629	L	N	2	2	2	3	6	7	7	
208968	Acenaphthylene	NA	NA	10,551	L	N	2	2		3		7	7	Y
116063	Aldicarb	NA	20,597	NA	L	97	3	1	2	3	6	7	7	
107186	Allyl alcohol	1,707,457	4,220,949	170,158	L	91	3	1	2	3	6	7	7	
7429905	Aluminum	79,002,471	83,062,383	320,736	S	91	3	1		3		7	7	
834128	Ametryn	NA	121,257	NA		97	3	1	2	3	6	7	7	
7440360	Antimony	28,870,075	23,111,068	4,224,522	L	91	3	1	3	2	7	6	7	
7440382	Arsenic	12,450,829	8,359,095	3,872,583	L	91	3	1	3	3	7	7	7	
1912249	Atrazine	NA	1,474,847	26,581	S	97	3	1	2	3	6	7	7	
569642	Basic green 4	5,858	NA	NA		91	3	1		3		7	7	
17804352	Benomyl	NA	604,000	NA	L	97	3	1	2	3	6	7	7	
7440417	Beryllium	285,037	124,700	1,081	L	91	3	1	3	3	7	7	7	
90948	Bis(4-(dimethylamino)phenyl)methanone	703	436	NA		91	3	1	2	3	6	7	7	Y
74839	Bromomethane	593,141	5,146,452	6,229	L	91	3	1	2	3	6	7	7	
85687	Butyl benzyl phthalate	5,420,467	NA	34,634	L	N	2	2	2	3	6	7	7	
2832408	C.I. Disperse yellow 3	1,965	2,122	NA		91	3	1	2	3	6	7	7	Y
1563662	Carbofuran	NA	47,662	NA	L	97	3	1	2	3	6	7	7	
79118	Chloroacetic acid	1,063,896	1,345,933	NA		91	3	1	2	3	6	7	7	

Matrix 2. Candidate Chemicals with Quantities Greater than Zero

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score	Eco Concern Score	Larger of the Two	Data Preference Indicator
67663	Chloroform	41,127,106	42,061,753	13,049,576	L	91	3	1	2	3	6	7	7	
1897456	Chlorthalonil	213,319	270,485	619	S	91	3	1	2	3	6	7	7	
7440473	Chromium	243,455,253	427,464,252	8,043,236	L	91	3	1	3	3	7	7	7	
7440508	Copper	972,069,089	1,628,767,983	561,264	L	91	3	1	3	3	7	7	7	
57125	Cyanide	17,924,329	15,027,478	4,424,617	L	91	3	1	2	3	6	7	7	
1163195	Decabromodiphenyl oxide	2,460,127	2,193,279	NA		91	3	1	2	3	6	7	7	Y
333415	Diazinon	NA	94,937	NA		97	3	1	2	3	6	7	7	
1675543	Diglycidal ether of Bisphenol A	NA	NA	117	S	N	3	1	1	3	5	7	7	Y
60515	Dimethoate	NA	2,192	NA	L	97	3	1	3	3	7	7	7	
122394	Diphenylamine	NA	2,096,641	2,695,192	L	97	3	1	2	3	6	7	7	
298044	Disulfoton	NA	NA	0	L	N	2	2	3	3	7	7	7	
115297	Endosulfan	NA	NA	910	L	N	1	3	2	3	6	7	7	
1031078	Endosulfan sulfate	NA	NA	1	L	N	3	1		3		7	7	
2164172	Fluometuron	29,465	19,257	NA		91	3	1	2	3	6	7	7	
76448	Heptachlor	4	4,701	5	L	91	1	3	3	3	7	7	7	
77474	Hexachlorocyclopentadiene	213,523	300,623	1,852	L	91	2	2	2	3	6	7	7	
67721	Hexachloroethane	6,954,363	6,298,214	1,477,466	L	91	2	2	2	3	6	7	7	
74908	Hydrocyanic acid	30,075,204	66,735,544	15,320,184	L	91	3	1	2	3	6	7	7	
74884	Iodomethane	46,905	38,876	60	L	91	3	1	3	2	7	6	7	Y
330552	Linuron	NA	1,990	NA		97	3	1	2	3	6	7	7	
298000	Methyl parathion	NA	2,684	1	L	97	3	1	3	3	7	7	7	
91203	Naphthalene	38,468,467	36,625,481	1,521,343	L	91	2	2	2	3	6	7	7	
7440020	Nickel	132,208,516	255,948,864	1,965,068	L	91	3	1	3	3	7	7	7	
54115	Nicotine	NA ^a	776,061	NA	L	97	3	1	3	2	7	6	7	Y
98953	Nitrobenzene	8,856,040	7,502,494	1,092,619	L	91	3	1	3	3	7	7	7	
111659	Octane	NA	NA	1,809	S	N	1	3		3		7	7	
56382	Parathion	1,014	0	NA	L	91	3	1	2	3	6	7	7	
108952	Phenol	101,277,100	116,297,653	13,507,679	L	91	3	1	1	3	5	7	7	
96764	Phenol, 2,2-bis(1,1-dimethylethyl)-	NA	NA	141,345	S	N	3	1		3		7	7	Y
599644	Phenol, 4-(1-methyl-1-phenylethyl)-	NA	NA	22,555,351	S	N	2	2		3		7	7	Y
25154523	Phenol, nonyl-	NA	NA	6,077	S	N	2	2		3		7	7	
92842	Phenothiazine	NA	NA	10,351	S	N	2	2		3		7	7	Y

Matrix 2. Candidate Chemicals with Quantities Greater than Zero

Matrix 2. Candidate Chemicals with Quantities Greater than Zero

CAS Number	Chemical Name	1991 TRI Quantity (pounds)	1995 TRI Quantity (pounds)	Constituent Survey Quantity (pounds)	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score	Eco Concern Score	Larger of the Two	Data Preference Indicator
7440224	Silver	2,897,005	7,185,772	907,900	L	91	3		2	3				
56359	Tributyltin oxide	NA	8,455	NA		97	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
7440622	Vanadium	1,060,023	258,857	2,068	L	91	3		2	3				
<i>Total Chemicals in Matrix</i>		156												

NA = not available

^aL = chemical listed on the list of 507 RCRA constituents

^bS = chemical neither on the list of 507 nor the Crosswalk, but found on the National Hazardous Waste Constituent Survey (NHWCS)

^cX = chemical not on the list of 507 but on the Chemical-Waste Code Crosswalk

^dN = not currently listed in TRI

^e97 = chemical was not on the 1991 list but is on the 1997 list

^f91 = chemical was on the 1991 TRI list and remains on the list at this time

^gY = data for the greater of the two concern scores are of the lowest preference

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
634662	1,2,3,4-Tetrachlorobenzene	X ^a	N ^c	3	3		3		9
634902	1,2,3,5-Tetrachlorobenzene		N	3	3		3		9
615543	1,2,4-Tribromobenzene		N	3	3	2	3	8	9
16883833	1,2-Benzenedicarboxylic acid, 2,2-dimethyl-1-(1-methyl)-3-(2-methyl-1-oxop		N	3	3		3		9
3322938	1,2-Dibromo-4-(1,2-dibromoethyl)cyclohexane		N	3	3		3		9
3081014	1,4-Benzenediamine, N-(1,4-dimethylpentyl)-N'-phenyl-		N	3	3		3		9
1203174	1H-Indene, 2,3-dihydro-1,1,2,3,3-pentamethyl-		N	3	3		3		9
24448097	1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hyd		N	3	3		3		9
1691992	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		N	3	3		3		9
3147759	2-(2'-t-Octylphenyl)benzotriazole		N	3	3		3		9
70321867	2-(2'-Hydroxy-3',5'-(di-(a,a-dimethylbenzyl)phenyl))benzotriazole		N	3	3		3		9
3846717	2-(2'-Hydroxy-3',5'-(di-t-butyl)phenyl)benzotriazole		N	3	3		3		9
3896115	2-(3'-t-Butyl-2'-hydroxy-5'-methylphenyl)-5-chlorobenzotriazole		N	3	3		3		9
68517022	2,2',2"-[Propylidynetris(4,1-phenyleneoxymethylene)]trisoxirane		N	3	3		3		9
97187	2,2'-Thiobis(4,6-dichloro)phenol		N	3	3		3		9
4418660	2,2'-Thiobis(4-chloro-6-methyl)phenol		N	3	3		3		9
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	L ^b	N	3	3	3	3	9	9
93765	2,4,5-Trichlorophenoxyacetic acid	L	N	3	3	2	3	8	9
87105	3,4,5-Tribromosalicylanilide		N	3	3		3		9
34562317	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine		N	3	3		3		9
56495	3-Methylcholanthrene	L	N	3	3	3	3	9	9
140669	4-(1,1,3,3-Tetramethylbutyl)phenol		N	3	3		3		9
472413	4-(3,4-Dihydro-2,2,4-trimethyl-2H-1-benzopyran-4-yl)phenol		N	3	3		3		9
5285609	4,4'-Bis(sec-butylamino)diphenylmethane		N	3	3		3		9
92864	4,4'-Dibromobiphenyl		N	3	3		3		9
309002	Aldrin	L	91 ^d	3	3	3	3	9	9
490175	alpha -Truxilline		N	3	3		3		9
140578	Aramite	L	N	3	3	2	3	8	9
203338	Benzo(a)fluoranthene		N	3	3		3		9
192972	Benzo(e)pyrene		N	3	3		3		9
56832736	Benzofluoranthene		N	3	3		3		9

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
28772567	Bromadiolone		N	3	3		3		9
2104963	Bromophos		N	3	3	2	3	8	9
786196	Carbophenothion		N	3	3	2	3	8	9
57749	Chlordane	L	91	3	3	3	3	9	9
5566347	Chlordane, gamma-		N	3	3		3		9
3734483	Chlordene		N	3	3		3		9
494031	Chlornaphazin	L	N	3	3	3	3	9	9
2921882	Chlorpyrifos		N	3	3	2	3	8	9
21923239	Chlorthiophos		N	3	3		3		9
540976	Cyclohexasiloxane, dodecamethyl-		N	3	3		3		9
72548	DDD, p,p'	L	N	3	3	2	3	8	9
72559	DDE, p,p'	L	N	3	3	2	3	8	9
50293	DDT, p,p'	L	N	3	3	3	3	9	9
126136	Diacetate hexaisobutyrate sucrose		N	3	3		3		9
128665	Dibenzo(b,def)chrysene-7,14-dione		91	3	3	2	3	8	9
60571	Dieldrin	L	N	3	3	3	3	9	9
26401274	Diphenyl isoctyl phosphite		N	3	3		3		9
316427	Emetine, dihydrochloride		N	3	3		3		9
72208	Endrin	L	N	3	3	3	3	9	9
53494705	Endrin ketone		N	3	3		3		9
563122	Ethion		N	3	3	3	3	9	9
38998753	Heptachlorodibenzofuran		N	3	3		3		9
37871004	Heptachlorodibenzo-p-dioxin		N	3	3		3		9
32241080	Heptachloronaphthalene		N	3	3		3		9
36355018	Hexabromobiphenyl (unspecified location of bromines)		N	3	3		3		9
25637994	Hexabromocyclodecane		N	3	3		3		9
3194556	Hexabromocyclododecane, 1,2,5,6,9,10-		N	3	3		3		9
55684941	Hexachlorodibenzofuran	X	N	3	3		3		9
34465468	Hexachlorodibenzo-p-dioxin	X	N	3	3		3		9
1335871	Hexachloronaphthalene		91	3	3		3		9
297789	Isobenzan		N	3	3		3		9

B-39

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
15220856	Isobutene tetramer		N	3	3		3		9
465736	Isodrin	L	97 ^e	3	3		3		9
33820530	Isopropalin		N	3	3	2	3	8	9
21609905	Leptophos		N	3	3	2	3	8	9
3735237	Methyl phenakton		N	3	3		3		9
91929	N,N'(3,3'Dimethoxy[biphenyl]diyl)bis(hydroxy)-2-naphthalenecarboxamide		N	3	3		3		9
3081149	N,N'-Bis(1,4-dimethylpentyl)p-phenylenediamine		N	3	3		3		9
139606	N,N'-Bis(1-ethyl-3-methylpentyl)p-phenylenediamine		N	3	3		3		9
93469	N,N'-Di-2-naphthyl-p-phenylenediamine		N	3	3		3		9
140738	N,N-Dicinnamylidene-1,6-hexanediamine		N	3	3		3		9
4979322	N,N-Dicyclohexyl-2-benzothiazolesulfenamide		N	3	3		3		9
74317	N,N'-Diphenyl-p-phenylenediamine		N	3	3		3		9
5103731	Nonachlor, cis-		N	3	3		3		9
39765805	Nonachlor, trans-		N	3	3		3		9
39001020	Octachlorodibenzofuran		N	3	3		3		9
3268879	Octachlorodibenzo-p-dioxin		N	3	3		3		9
23681609	Pararosaniline, .alpha.-hydroxy-N,N',N"-triphenyl-		N	3	3		3		9
32534819	Pentabromodiphenyl ether		N	3	3	2	3	8	9
85223	Pentabromoethylbenzene		N	3	3		3		9
608719	Pentabromophenol		N	3	3		3		9
30402154	Pentachlorodibenzofuran	X	N	3	3		3		9
36088229	Pentachlorodibenzo-p-dioxin	X	N	3	3		3		9
1321648	Pentachloronaphthalene		N	3	3		3		9
133493	Pentachlorothiophenol		N	3	3		3		9
198550	Perylene		N	3	3		3		9
120956	Phenol, 2,4-bis(1,1-dimethylpropyl)-		N	3	3		3		9
25036253	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'		N	3	3		3		9
57137107	Polystyrene, tribrominated		N	3	3		3		9
26399360	Profluralin		N	3	3	2	3	8	9
299843	Ronnel		N	3	3	2	3	8	9
56803373	t-Butylphenyl diphenyl phosphate		N	3	3		3		9

B-40

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
3383968	Temephos		97	3	3	2	3	8	9
632791	Tetrabromophthalic anhydride		N	3	3		3		9
41903575	Tetrachlorodibenzo-p-dioxin		N	3	3		3		9
133582	Tetrachloronaphthalene		N	3	3		3		9
13393936	Tetrahydroabietyl alcohol		N	3	3		3		9
25586429	Tolyl phosphite		N	3	3		3		9
8001352	Toxaphene	L	91	3	3	3	3	9	9
27137855	Trichloro(dichlorophenyl)silane		N	3	3		3		9
1321659	Trichloronaphthalene		N	3	3		3		9
327980	Trichloronate		N	3	3		3		9
2001958	Valinomycin		N	3	3		3		9
126807	1,1,3,3-Tetramethyl-1,3-bis[(3-oxiranylmethoxy)propyl]disiloxane		N	3	2		3		8
3389717	1,2,3,4,7,7-Hexachloronorbornadiene		N	3	3		3		9
87616	1,2,3-Trichlorobenzene	X	N	3	3		3		9
84786	1,2-Benzenedicarboxylic acid, butyl octyl ester		N	2	3		3		8
84617	1,2-Benzenedicarboxylic acid, dicyclohexyl ester		N	2	3		3		8
2050693	1,2-Dichloronaphthalene		N	2	3		3		8
2198756	1,3-Dichloronaphthalene		N	2	3		3		8
117088	1,3-Isobenzofuranone, 4,5,6,7-tetrachloro-		N	3	2		3		8
1825316	1,4-Dichloronaphthalene		N	2	3		3		8
1825305	1,5-Dichloronaphthalene		N	2	3		3		8
2050728	1,6-Dichloronaphthalene		N	2	3		3		8
2050739	1,7-Dichloronaphthalene		N	2	3		3		8
2050740	1,8-Dichloronaphthalene		N	2	3		3		8
5873541	1-Isocyanato-2-[(isocyanatophenyl)methyl]benzene		N	2	3		3		8
605027	1-Phenylnaphthalene		N	2	3		3		8
1120361	1-Tetradecene		N	2	3		3		8
62199626	2,2,4,4,6-Pentamethylheptane		N	2	3		3		8
35164397	2,2,4-Trimethyl-1,3-pentanediol isobutyrate benzoate		N	2	3		3		8
2050751	2,3-Dichloronaphthalene		N	2	3		3		8
1836755	2,4-Dichloro-1-(4-nitrophenoxy)benzene		91	3	2	2	3	7	8

B-41

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
2065705	2,6-Dichloronaphthalene		N	2	3		3		8
2198778	2,7-Dichloronaphthalene		N	2	3		3		8
105522	2-butenedioic acid (Z)-, bis(1,3-dimethylbutyl)ester		N	2	3		3		8
131895	2-Cyclohexyl-4,6-dinitrophenol	L	N	3	2	2	3	7	8
6197304	2-Ethylhexyl-2-cyano-3,3'diphenylacrylate		N	2	3		3		8
612942	2-Phenylnaphthalene		N	2	3		3		8
5466773	2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester		N	2	3		3		8
5171846	3,3,4,4-tetramethylhexane		N	2	3		3		8
20282706	3,3'-Dimethoxy-[1,1'biphenyl]-4,4'-bis(diazonium)		N	3	2		3		8
2577722	3,5-Dibromosalicylanilide		N	3	2		3		8
2113577	3-Bromobiphenyl		N	2	3		3		8
2611009	3-Cyclohexene-1-carboxylic acid, 3-cyclohexen-1-ylmethyl ester		N	2	3		3		8
31383810	4,4'-Methylenebis-(2-carbomethoxyaniline)		N	3	2		3		8
101611	4,4'-Methylenebis(N,N-dimethylbenzenamine)		91	3	2	2	3	7	8
92660	4-Bromobiphenyl		N	2	3		3		8
5216251	4-Chlorobenzotrichloride		N	3	2	3	2	8	7
84852153	4-Nonyl phenol, branched		N	2	3		3		8
225514	Benz(c)acridine	L	N	3	2		3		8
51632167	Benzene, 1-(bromomethyl)-3-phenoxy-		N	2	3		3		8
80546	Benzene propanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-		N	3	2		3		8
6386385	Benzene propanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, methyl ester		N	3	2		3		8
118605	Benzoic acid, 2-hydroxy-, 2-ethylhexyl ester		N	2	3		3		8
41638555	Biphenyl, butyl-		N	2	3		3		8
69009901	Bis(1-methylethyl)-1,1'biphenyl		N	2	3		3		8
84640	Butyl cyclohexylphthalate		N	2	3		3		8
55285148	Carbosulfan	L	N	2	3	2	3	7	8
115275	Chlorendric anhydride		N	3	2		3		8
510156	Chlorobenzilate	L	91	3	2	2	3	7	8
3691358	Chlorophacinone		N	3	2		3		8
1982474	Chloroxuron		N	3	2	3	3	8	8
72030263	Cyclopentene, hexachloro-		N	3	2		3		8

B-42

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero									
CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
541026	Decamethylcyclopentasioxane		N	2	3		3		8
10311849	Dialifor		N	3	2		3		8
106014	Diethylene glycol dipelargonate		N	2	3		3		8
56531	Diethylstilbestrol	L	N	2	3	3	3	8	8
94371	Dipentamethylene-thiuram disulfide		N	3	2		3		8
776761	Diphenyl methyl silane		N	2	3		3		8
8006879	East India (sandalwood oil)		N	2	3		3		8
7421934	Endrin aldehyde	L	N	3	2		3		8
28984896	Ether, biphenyl phenyl		N	2	3		3		8
87821	Hexabromobenzene		N	3	3	2	2	8	8
1888717	Hexachloropropene	L	N	3	2		3		8
64667330	Hexanoic acid, 4,6,6,6-tetrachloro-3,3-dimethyl-, methyl ester		N	3	2		3		8
101860	Hexyl cinnamaldehyde		N	2	3		3		8
4035896	Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-		N	3	2		3		8
25640782	Isopropyl biphenyl		N	2	3		3		8
110270	Isopropyl myristate		N	2	3		3		8
28108998	Isopropylphenyl diphenyl phosphate		N	2	3		3		8
61734	Methylene blue		N	3	3		2		8
31711532	Methylphenanthrene		N	2	3		3		8
793248	N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine		N	3	2		3		8
15233473	N-(1-Methylheptyl)-N'-phenyl-p-phenylenediamine		N	2	3		3		8
90302	N-Phenyl-1-naphthalenamine		N	2	3		3		8
101871	N-Phenyl-N'-cyclohexyl-para-phenylenediamine		N	3	2		3		8
2234131	Octachloronaphthalene		91	3	2		3		8
7651027	Octadecanamide, N-(3-(dimethylamino)propyl)-		N	3	2		3		8
8045349	Octadecanoic acid, ester with 2,2-bis(hydroxymethyl)-1,3-propanediol		N	2	3		3		8
556672	Octamethyl cyclotetrasiloxane		N	2	3		3		8
23500790	Phenol, 3-(chloromethyl)6(1,1-dimethylethyl)-2,4-dimethyl-		N	3	2		3		8
50594440	Phenol, 5-2-chloro-4-(trifluoromethyl)phenoxy-2-nitro, acetate (ester)		N	3	2		3		8
2665307	Phosphonothioic acid, methyl-, O-(4-nitrophenyl)-O-phenyl ester		N	3	2		3		8
34364426	Phosphoric acid, (1-methyl-1-phenylethyl)phenyl diphenyl ester		N	3	3		2		8

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero									
CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
4216017	Pigment red 108		N	3	2		3		8
980267	Pigment red 122		N	3	2		3		8
23505411	Pirimifos-Ethyl		N	3	3		2		8
104405	p-Nonylphenol		N	2	3		3		8
22527635	Propanoic acid, 2-methyl- 3-(benzoyloxy)-2,2,4-trimethylpentyl ester		N	2	3		3		8
5862384	Quino, 5,6,12,13-tetrahydro-, .gamma.2,3-b.sigma.acridine-7,14-dione, 5,6,12,13-tetrahydro		N	3	2		3		8
68268	Retinol		N	2	3		3		8
127479	Retinol acetate		N	3	2		3		8
144796	Silane, chloromethyldiphenyl-		N	2	3		3		8
26140603	Terphenyl		N	2	3		3		8
37853615	Tetrabromobisphenol A, bismethyl ether of		N	3	2		3		8
488471	Tetrabromocatechol		N	3	2		3		8
79958	Tetrachlorobisphenol A		N	3	3		2		8
629594	Tetradecane		N	2	3		3		8
688733	Tributyl tin hydride		N	2	3		3		8
78308	Tri-o-cresyl phosphate		N	3	3		2		8
603350	Triphenylphosphine		N	2	3		3		8
25155231	Trixylyl phosphate		N	3	2		3		8
143282	(Z)-9-octadeden-1-ol		N	2	2		3		7
61578049	[(4-(1-Methyl-1-phenylethyl)phenoxy)methyl]oxirane		N	3	2		2		7
3118976	1-((2,4-Dimethylphenyl)azo)-2-naphthalenol		91	3	1		3		7
842079	1-(Phenylazo)-2-naphthalenol		91	3	1	2	3	6	7
3006868	1,1-Bis(t-butyl peroxy)cyclohexane		N	3	3		1		7
6731368	1,1-Di-t-butylperoxy-3,3,5-trimethylcyclohexane		N	3	3		1		7
87843	1,2,3,4,5-Pentabromo-6-chloro-cyclohexane		N	3	1	1	3	5	7
123944	1,2,3-dihydroxypropyl ester		N	2	2		3		7
84695	1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester		N	2	2		3		7
85698	1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester		N	2	2		3		7
68515504	1,2-Benzenedicarboxylic acid, dihexyl ester, branched A		N	2	2		3		7
37853591	1,2-Bis(2,4,6-tribromophenoxy)ethane		N	3	1		3		7

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
96128	1,2-Dibromo-3-chloropropane	L	91	3	1	3	2	7	6
147477	1,2-Dihydro-2,2,4-trimethylquinoline		N	3	1	2	3	6	7
26780961	1,2-Dihydro-2,2,4-trimethylquinoline, polymerized		N	3	1		3		7
91532	1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinoline		N	3	1		3		7
122667	1,2-Diphenylhydrazine	L	91	3	1	2	3	6	7
65817507	1,2-Ethanediamine, N-(2-aminoethyl)-N'-		N	2	2		3		7
89347091	1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-		N	3	1		3		7
91769	1,3,5-Triazine-2,4-diamine, 6-phenyl-		N	3	1		3		7
5915413	1,3,5-Triazine-2,4-diamone, 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl-		N	3	1		3		7
108703	1,3,5-Trichlorobenzene		N	2	2		3		7
99354	1,3,5-Trinitrobenzene	L	N	3	1	2	3	6	7
2778429	1,3-Bis(1-isocyanato-1-methylethyl)benzene		N	3	2		2		7
99627	1,3-bis(1-methylethyl)-benzene		N	1	3		3		7
38103069	1,3-Isobenzofurandione, 5,5'-.gamma.(1-methylethylidene)bis(4,1-phenyleneoxy).sigma.bis-		N	3	1		3		7
68479049	1,3-Propanediamine, N-		N	2	2		3		7
106376	1,4-Dibromobenzene		N	3	1	2	3	6	7
12217797	1,5-Diaminochloro-4,8-dihydroxy-9,10-anthracenedione		N	3	1		3		7
82280	1-Amino-2-methyl-9,10-anthracenedione		91	3	1	2	3	6	7
17418585	1-Amino-4-hydroxy-2-phenoxy-9,10-anthracene		N	3	1		3		7
112185	1-Dodecanamine, N,N-dimethyl-		N	2	2		3		7
112414	1-Dodecene		N	2	2		3		7
143271	1-Hexadecanamine		N	2	2		3		7
54395527	1H-Isoindole-1,3(2H)-dione, 5,5'-.gamma.(1-methylethylidene)bis(4,1-phenyleneoxy).sigma.bi		N	3	3		1		7
96082	1-Methyl-4-(2-methyloxiranyl)-7-oxabicyclo 4.1.0 heptane		N	3	1		3		7
5502885	1-Methyl-4-isopropylcyclohexene		N	1	3		3		7
112754	1-Tetradecanamine, N,N-dimethyl-		N	2	2		3		7
112721	1-Tetradecanol		N	2	2		3		7
67905322	1-Tetradecanol, aluminum salt		N	2	2		3		7
2437561	1-Tridecene		N	2	2		3		7
3864991	2-(2'-Hydroxy-3',5'-di-t-butyl)-5-chlorobenzotriazole		N	3	1		3		7

B-45

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
2440224	2-(2'-Hydroxy-5-methylphenyl)benzotriazole		N	2	2		3		7
25085998	2,2'-(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)bisoxirane, ho		N	3	1		3		7
6846500	2,2,4-Trimethyl-1,3-pentanediol diisobutylate		N	2	3		2		7
54208638	2,2'-[Methylenebis(2,1-oxirane)]		N	3	1		3		7
39817099	2,2'-[Methylenebis(phenyleneoxymethylene)]bisoxirane		N	3	1		3		7
97234	2,2'-Methylenebis(4-chloro)phenol		97	3	1		3		7
2077465	2,3,6-Trichlorotoluene		N	2	2		3		7
608275	2,3-Dichlorobenzenamine		N	3	1		3		7
68298464	2,3-Dihydro-2,2-dimethyl-7-benzofuranamine		N	3	1		3		7
3380345	2,4,4'-Trichloro-2'-hydroxidiphenyl ether		N	3	1		3		7
93721	2,4,5-TP (Silvex)	L	N	3	1	2	3	6	7
147820	2,4,6-Tribromobenzenamine		N	3	1		3		7
118796	2,4,6-Tribromophenol		N	3	1		3		7
634935	2,4,6-Trichloroaniline		N	3	1	1	3	5	7
62016379	2,4,6-Trimethyloctane		N	1	3		3		7
554007	2,4-Dichlorobenzenamine		N	3	1		3		7
20103097	2,5-Dichloro-1,4-benzenediamine		N	3	1		3		7
28777982	2,5-Furandione, dihydro-3-(octadecenyl)-		N	3	1		3		7
26544387	2,5-Furandione, dihydro-3-(tetrapropenyl)-		N	2	2		3		7
827941	2,6-Dibromo-4-nitrobenzenamine		N	3	1		3		7
99285	2,6-Dibromo-4-nitrophenol		N	3	1		3		7
609201	2,6'-Dichloro-p-phenylenediamine		N	3	1	2	3	6	7
128392	2,6-Di-tert-butyl phenol		N	3	1		3		7
1208522	2-[(4-Aminophenyl)methyl]benzenamine		N	3	1		3		7
95307	2-Benzothiazoyl-N,N-diethylthiocarbamyl sulfide		N	2	2		3		7
99296	2-Bromo-6-chloro-4-nitrobenzenamine		N	3	1		3		7
2052075	2-Bromobiphenyl		N	2	2		3		7
6283256	2-Chloro-5-nitrobenzenamine		N	3	1		3		7
87638	2-Chloro-6-methyl benzenamine		N	3	1		3		7
95512	2-Chloroaniline		N	3	1		3		7
2136892	2-Chlorobenzotrichloride		N	3	2		2		7

B-46

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
40164690	2-Chloro-N-(chloromethyl)-N-(2,6-diethylphenyl)acetamide		N	3	1		3		7
615463	2-Chloro-p-phenylenediamine, dihydrochloride		N	3	1		3		7
6219712	2-Chloro-p-phenylenediamine, sulfate		N	3	1		3		7
1241947	2-Ethylhexyl diphenyl phosphate		N	2	2		3		7
75790840	2-Isocyanato-4-[(4-isocyanatophenyl)methyl]-1-methyl]benzene		N	3	3		1		7
7534943	2-Methyl-2-propenoic acid,1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester		N	2	2		3		7
68239838	2-Nitro-1,4-benzenediamine sulfate (1:1)		N	3	1		3		7
18266529	2-Nitro-1,4-benzenediamine, dihydrochloride		N	3	1		3		7
5307142	2-Nitro-p-phenylenediamine		N	3	1	2	3	6	7
67124098	2-Propanol, 1-tert-dodecylthio-		N	2	2		3		7
3290924	2-Propenoic acid, 2-methyl-, 2-ethyl-2-.gamma.(2-methyl-1-oxo-2-propenyl)oxygenate		N	2	2		3		7
3076048	2-Propenoic acid, tridecyl ester		N	2	2		3		7
14143603	2-Pyridinecarbonitrile, 4-amino-3,5,6-trichloro-		N	3	1		3		7
119937	3,3'-Dimethylbenzidine	L	91	3	1	3	2	7	6
328847	3,4-Dichlorobenzotrifluoride		N	3	2		2		7
95749	3-Chloro-p-toluidine		N	3	1		3		7
919620	3-Methyl-1-butanol phosphate (3:1)		N	2	2		3		7
1139306	4,12,12-Trimethyl-9-methylene-5-oxatricyclo[8.2.0.0 (4,6)]dodecane		N	1	3		3		7
80080	4,4-Diaminodiphenyl sulfone		N	3	1	2	3	6	7
118821	4,4'-Methylenebis(2,6-di-tert-butyl phenol)		N	3	1		3		7
838880	4,4'-Methylenebis(2-methylaniline) (MBOT)		N	3	1	2	3	6	7
13552448	4,4'-Methylenedianiline dihydrochloride (MDA)		N	3	1	2	3	6	7
80513	4,4'-Oxybis(benzenesulfonylhydrazide)		N	3	1		3		7
139651	4,4'-Thiobisbenzenamine		91	3	1	2	3	6	7
17302237	4,5-Dimethylnonane		N	1	3		3		7
1940427	4-Bromo-2,5-dichlorophenol		N	3	1		3		7
68459983	4-Chloro-1,2-benzenediamine sulfate (1:1)		N	3	1		3		7
68239805	4-Chloro-1,3-benzenediamine sulfate (1:1)		N	3	1		3		7
120321	4-Chloro-2-chlorophenol(phenylmethyl)phenol		N	2	2	2	3	6	7
95692	4-Chloro-2-methylaniline		97	3	1	2	3	6	7

B-47

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
3165933	4-Chloro-2-methylaniline hydrochloride	L	N	3	1	2	3	6	7
635223	4-Chloro-3-nitrobenzenamine		N	3	1		3		7
5131602	4-Chloro-m-phenylenediamine		N	3	1	2	3	6	7
95830	4-Chloro-o-phenylenediamine		N	3	1	1	3	5	7
68239827	4-Nitro-1,2-benzenediamine sulfate (1:1)		N	3	1		3		7
5131588	4-Nitro-m-phenylenediamine		N	3	1		3		7
6219778	4-Nitro-o-phenylenediamine, sulfate		N	3	1		3		7
4175375	4-Octyldiphenylamine		N	2	2		3		7
42389300	5-Chloro-3-nitro-1,2-benzenediamine		N	3	1		3		7
1632708	5-Methylundecane		N	2	2		3		7
56863026	9,12-Octadecadienamide, N,N-bis(2-hydroxyethyl)-, (Z,Z)-		N	2	2		3		7
93834	9-Octadecenamide, N,N-bis(2-hydroxyethyl)-, (Z)-		N	2	2		3		7
112914	9-Octadecenenitrile, (A)-		N	2	2		3		7
112629	9-Octadecenoic acid (A)-, methyl ester		N	2	2		3		7
514103	Abietic acid		N	3	1		3		7
900958	Acetoxytriphenylstannane		N	3	1	3	3	7	7
1646884	Aldicarb sulfone	L	N	3	1	2	3	6	7
68526589	Alkenes, C12-rich		N	2	2		3		7
19141823	Aluminum hexadecyloxide		N	2	2		3		7
1397940	Antimycin A		N	2	2		3		7
68966847	ar-Ethyl-ar-methyl-1,3-benzenediamine		N	3	1		3		7
492808	Auramine	L	91	3	1	1	3	5	7
10114586	Basic brown 1		N	3	1		3		7
5042546	Basic orange 1		N	3	1		3		7
548629	Basic violet 3		N	3	1		3		7
836306	Benzamine, 4-nitro-N-phenyl-		N	3	1		3		7
101633	Benzene, 1,1'-oxybis gamma.4-nitro		N	3	1		3		7
80079	Benzene, 1,1'-sulfonylbis		N	3	1		3		7
6196958	Benzene, 1,2-dimethyl-4-(1-phenylethyl)-		N	1	3		3		7
3748138	Benzene, 1,3-bis(1-methylethyl)-		N	1	3		3		7
100185	Benzene, 1,4-bis(1-methylethyl)-		N	1	3		3		7

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero									
CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
97007	Benzene, 1-chloro-2,4-dinitro-		N	3	1		3		7
393759	Benzene, 2-chloro-1,3-dinitro-5-(trifluoromethyl)-		N	3	1		3		7
25321099	Benzene, bis(1-methylethyl)-		N	1	3		3		7
68648862	Benzene, C4-16-alkyl derivs.		N	2	2		3		7
25340185	Benzene, triethyl-		N	1	3		3		7
103504	Benzyl ether		N	2	2		3		7
118581	Benzyl salicylate		N	2	2		3		7
26741537	Bis(2,4-di-t-butyl)pentaerythritol diphosphite		N	3	1		3		7
3658488	Bis(2-ethylhexyl)hydrogen phosphite		N	2	2		3		7
91974	Bitoluene diisocyanate		N	3	3		1		7
4044659	Bitoscanate		N	2	2		3		7
2008415	Butylate	L	N	2	2	2	3	6	7
1678939	Butylcyclohexane		N	1	3		3		7
2475458	C.I. disperse blue 1		N	3	1	2	3	6	7
6410293	C.I. Pigment Red 32		N	3	1		3		7
2152649	C.I. Solvent Blue 23		N	3	1		3		7
2425061	Captafol		N	3	1	2	3	6	7
52888809	Carbamothioic acid, dipropyl-, S-(phynylmethyl) ester	L	N	2	2		3		7
10605217	Carbendazim	L	N	3	1		3		7
67762270	Cetearyl alcohol		N	2	2		3		7
36653824	Cetyl alcohol		N	2	2		3		7
305033	Chlorambucil	L	N	3	1	3	2	7	6
118752	Chloranil		N	3	1	1	3	5	7
5103719	Chlordane, alpha		N	3	1		3		7
470906	Chlорfenvinfos		N	3	1	2	3	6	7
121733	Chloronitrobenzene, m-		N	3	1		3		7
1937377	C.I Direct Black 38		91	3	1	3	3	7	7
3618722	C.I Disperse Blue 79:1		N	3	1		3		7
64868	Colchicine		N	3	1	3	2	7	6
56724	Coumaphos		N	2	2		3		7
5836293	Coumatetralyl		N	2	2		3		7

B-49

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
294622	Cyclododecane		N	2	3		2		7
1724396	Cyclododecanol		N	2	2		3		7
6069983	Cyclohexane, 1-methyl-4-(1-methylethyl)-, cis-		N	1	3		3		7
69430246	Cyclomethicone		N	2	2		3		7
1002693	Decane, 1-chloro-		N	2	2		3		7
65381091	Decanoic acid, ester with 1,2,3-propanetriol octanoate		N	2	2		3		7
2303164	Diallate	L	91	3	2	2	2	7	7
538749	Dibenzyl sulfide		N	2	2		3		7
109433	Dibutyl sebacate		N	2	2		3		7
93050	Diethyl-p-phenylenediamine		N	3	1		3		7
68515446	Diheptyl phthalate (branched and linear isomers)		N	2	2		3		7
141048	Diisobutyl adipate		N	2	2		3		7
25550985	Diisodecyl phenyl phosphite		N	3	1		3		7
26761400	Diisodecyl phthalate		N	3	1		3		7
68515491	Diisodecyl phthalate (mixed isomers)		N	3	1		3		7
98497	Diisopropyl benzene hydroperoxide		N	3	1		3		7
110338	Di-n-hexyl adipate		N	2	2		3		7
84753	Di-n-hexyl phthalate		N	2	3		2		7
1594565	Dinitro-1-thiocyanobenzene		N	3	1		3		7
88857	Dinoseb	L	97	3	1	2	3	6	7
1420071	Dinoterb		N	3	1		3		7
97392	Di-o-tolylguanidine		N	3	1		3		7
78342	Dioxathion		N	3	1	2	3	6	7
82666	Diphacinone		N	3	1		3		7
84628	Diphenyl phthalate		N	2	2		3		7
75980608	Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide		N	3	1		3		7
2602462	Direct blue 6		91	3	1	3	2	7	6
6598636	Direct orange 102		N	3	1		3		7
107460	Disiloxane, hexamethyl-		N	2	2		3		7
3806346	Distearyl pentaerythritol diphosphite		N	3	1		3		7
60106	Dithizone		N	3	1		3		7

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
112527	Dodecane, 1-chloro-		N	2	2		3		7
112403	Dodecane, n-		N	2	2		3		7
112550	Dodecyl mercaptan, n-		N	2	2		3		7
25103586	Dodecyl mercaptan, tert		N	2	2		3		7
3234284	Dodecyloxirane		N	2	2		3		7
27193868	Dodecylphenol		N	2	2		3		7
50146	Ergocalciferol		N	3	1	2	3	6	7
9004573	Ethyl cellulose		N	3	1		3		7
111604	Ethylene glycol stearate		N	2	2		3		7
2235258	Ethylmercuric phosphate		N	3	1		3		7
22224926	Fenamiphos		N	3	1	3	1	7	5
122145	Fenitrothion		N	3	1	2	3	6	7
4301502	Fluenetil		N	2	2		3		7
59756604	Fluridone		N	3	1	1	3	5	7
944229	Fonofos		N	3	1	2	3	6	7
531828	Furium		N	3	1	3	2	7	6
25496724	Glycerol monooleate		N	2	2		3		7
86500	Guthion		N	3	1	2	3	6	7
20278891	Heptane, 3,4,5-trimethyl-		N	1	3		3		7
68515753	Heptyl nonyl adipate		N	2	2		3		7
608731	Hexachlorocyclohexane	X	N	2	2	2	3	6	7
70304	Hexachlorophene	L	97	3	1	3	3	7	7
629798	Hexadecanenitrile		N	2	2		3		7
541059	Hexamethylcyclotrisiloxane		N	2	2		3		7
68553140	Hydrocarbons, C8-11		N	1	3		3		7
29761215	Isodecyl diphenyl phosphate		N	2	2		3		7
29964849	Isodecyl methacrylate		N	2	2		3		7
26544230	Isodecyl phenyl phosphite, ((C1OH21O)(PhO)2P)		N	3	1		3		7
25448253	Isodecyl phosphite		N	3	1		3		7
66085005	Isooctadecanoic acid, monoester with 1,2,3-propanetriol		N	2	2		3		7
4098719	Isophorone diisocyanate		N	3	2		2		7

B-51

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
9003081	Melamine-formaldehyde resins		N	3	1		3		7
148823	Melphalan	L	N	3	1	3	1	7	5
1600277	Mercuric acetate		N	3	1	2	3	6	7
25646713	Methanesulfonamide, N-.gamma.2-(4-amino-N-ethyl-m-toluidino)ethyl.sigmas-, sulfate (2:3)		N	3	1		3		7
2032657	Methiocarb	L	97	3	1		3		7
22967926	Methyl mercury		N	1	3	3	3	7	7
1335462	Methylionone		N	1	3		3		7
68609972	Mono[(C (12-14)-alkyloxy)methyl] oxirane derivatives		N	2	2		3		7
103968	N,N'-Bis(1-methylheptyl)p-phenylenediamine		N	2	2		3		7
93823	N,N-bis(2-hydroxyethyl)-octadecanamide		N	2	2		3		7
104698	N,N'-Diphenyl-1,3-propylenediamine		N	3	1		3		7
101962	N,N'-Di-sec-butyl-p-phenylenediamine		N	3	1		3		7
63512641	Naphthalene, diisononyl-		N	3	1		3		7
27753522	Nonabromobiphenyl (unspecified location of bromines)		N	3	1		3		7
15869859	Nonane, 5-methyl-		N	1	3		3		7
28472971	Nonanedioic acid, diisodecyl ester		N	3	1		3		7
991424	Norbornide		N	3	1		3		7
101724	N-Phenyl-N'-isopropyl-p-phenylenediamine		N	3	1		3		7
27858077	Octabromobiphenyl, (ar,ar,ar,ar,ar',ar',ar',ar')		N	3	1		3		7
32536520	Octabromodiphenyl oxide		N	3	1	2	3	6	7
110305	Octadecanamide, N,N'-1,2-ethanediylbis-		N	3	1		3		7
141231	Octadecanoic acid, 12-hydroxy-, methyl ester		N	2	2		3		7
53422165	Octadecanoic acid, 12-hydroxy-, methyl ester, lithium salt		N	2	2		3		7
31335747	Octanoic acid, 2,2-dimethyltrimethylene ester		N	2	2		3		7
112903	Oleyl amine		N	2	2	3	1	7	5
64771717	Paraffins (>C10)		N	2	2		3		7
2570265	Pentadecylamine		N	2	2		3		7
1331926	Pentyl cinnamaldehyde		N	2	2		3		7
4292926	Pentylcyclohexane		N	1	3		3		7
78637	Peroxide, (1,1,4,4-tetramethyl-1,4-butanediyl)bis		N	3	3		1		7

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero									
CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
25155253	Peroxide, .gamma.-1,3(or 1,4)-phenylenebis(1-methylethylidene)-.sigma.-bis-.gamma.(1,1-dime		N	3	3		1		7
27193288	Phenol, (1,1,3,3-tetramethylbutyl)-		N	2	2		3		7
52166720	Phenol, 2,5-dichloro- sodium deriv.		N	3	1		3		7
68938818	Phenol, 2,5-dichloro-, potassium salt		N	3	1		3		7
50594779	Phenol, 3-2-chloro-4-(trifluoromethyl)phenoxy-, acetate		N	2	2		3		7
104438	Phenol, 4-dodecyl-		N	2	2		3		7
1435718	Phenol, 4-methyl-2-		N	3	1		3		7
62384	Phenylmercury acetate	L	N	3	1	3	3	7	7
4104147	Phosacetim		N	3	1		3		7
563042	Phosphoric acid, tris(3-methylphenyl) ester		N	3	2		2		7
84800	Phylloquinone		N	3	1		3		7
1324761	Pigment blue 61		N	3	1		3		7
6505288	Pigment orange 16		N	3	1		3		7
3468631	Pigment orange 5		N	3	1		3		7
6655841	Pigment red 17		N	3	1		3		7
5521313	Pigment red 179		N	3	2		2		7
6041947	Pigment red 2		N	3	1		3		7
6471494	Pigment red 23		N	3	1	2	3	6	7
2425856	Pigment red 3		N	3	1	2	3	6	7
6410419	Pigment red 5		N	3	1		3		7
1047161	Pigment violet 19		N	3	1		3		7
6358301	Pigment violet 23		N	3	1		3		7
2512290	Pigment yellow 1		N	3	1		3		7
6358856	Pigment yellow 12		N	3	1		3		7
5102830	Pigment yellow 13		N	3	1		3		7
4531491	Pigment yellow 17		N	3	1		3		7
6486233	Pigment yellow 3		N	3	1		3		7
13515407	Pigment yellow 73		N	3	1		3		7
99821	p-Menthane		N	1	3		3		7
63793602	Poly(oxy(methyl-1,2-ethanediyl)), .alpha.-tetradearyl-.omega.-hydroxy-		N	2	2		3		7

B-53

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero									
CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
120525	p-Quinone bis(benzoyl-oxime)		N	3	1		3		7
68239190	Propanenitrile, 3-(tridecyloxy)-		N	2	2		3		7
35274056	Propanoic acid, 2-hydroxy-, hexadecyl ester		N	2	2		3		7
139402	Propazine		N	3	1	2	3	6	7
2402791	Pyridine, 2,3,5,6-tetrachloro-		N	3	1		3		7
2176627	Pyridine, pentachloro-		N	3	1		3		7
53558251	Pyriminil		N	3	1		3		7
14351667	Sodium abietate		N	3	1		3		7
1338438	Sorbitan monooleate		N	2	2		3		7
1338416	Sorbitan, monooctadecanoate		N	2	2		3		7
111013	Squalane		N	3	1		3		7
1461229	Stannane, tributylchloro-		N	1	3		3		7
31566311	Stearin, mono-		N	2	2		3		7
25377735	Succinic anhydride, dodecenyl-		N	2	2		3		7
95067	Sulfallate	L	N	3	1	2	3	6	7
79947	Tetrabromobisphenol A		N	3	1		3		7
4162452	Tetrabromobisphenol A bisethoxylate		N	3	1		3		7
1634022	Tetrabutylthiuram disulfide	L	N	2	2		3		7
25167833	Tetrachlorophenol	X	N	3	1	2	3	6	7
2425549	Tetradecane, 1-chloro-		N	2	2		3		7
78002	Tetraethyl lead	L	N	1	3	3	3	7	7
597648	Tetraethyl tin		N	1	3	3	3	7	7
917237	Tetraphenylporphin		N	3	1		3		7
27157944	Tolyl phosphorodithioate, ((C ₇ H ₇ O) ₂ (HS)PS)		N	3	3		1		7
26523784	Tri-(nonylphenyl)phosphite		N	3	1		3		7
25167822	Trichlorophenol	X	N	3	1	1	3	5	7
1330785	Tricresyl phosphate		N	3	1		3		7
629505	Tridecane		N	2	2		3		7
94280	Triethylene glycol bis(2-ethylhexanoate)		N	2	2		3		7
27251758	Trimellitic acid, triisoctyl ester		N	3	1		3		7
479458	Trinitrophenylmethylnitramine		N	3	1	2	3	6	7

Matrix 3. Candidate Chemicals that do not have Quantities Greater than Zero

CAS Number	Chemical Name	RCRA Relevance	Measurability	P Score	B Score	Human T Score	Eco T Score	Human Concern Score (P + B + HT)	Eco Concern Score (P + B + ET)
115866	Triphenyl phosphate		N	2	2	2	3	6	7
31570044	Tris(2,4-di-t-butylphenyl)phosphite		N	3	1		3		7
640197	Fluoroacetamide	L	N	2	1		3		6
10265926	Methamidophos		N	2	1	3	3	6	6
6923224	Monocrotophos		N	2	1	2	3	5	6
13171216	Phosphamidon		N	2	1	2	3	5	6
123331	Maleic hydrazide	L	N	2	1	1	2	4	5
59080409	2,2',4,4',5,5'-Hexabromobiphenyl		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
485314	Binapacryl		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
6164983	Chordimeform		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
78432196	Dinitropyrene		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
143500	Kepone	L	N		3	3	3		
2385855	Mirex		N		3	3	3		
29082744	Octachlorostyrene		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
19044883	Oryzalin			97	#N/A	#N/A	#N/A	#N/A	#N/A
1825214	Pentachloroanisole		N	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
<i>Total Candidate Chemicals in Matrix</i>			538						

B-55

NA=not available

^aX=chemical not on the list of 507 but on the Chemical-Waste Code Crosswalk^bL=chemical listed on the list of 507 RCRA constituents^cN=not currently listed in TRI^d91=chemical was on the 1991 TRI list and remains on the list at this time^e97=chemical was not on the 1991 list but is on the 1997 list

Appendix C

Processing of TRI Data for Evaluation of the Quantity Criterion

Appendix C

Processing of TRI Data For Evaluation of the Quantity Criterion

This section describes how the TRI data was processed in order to generate the quantity data used for the PBT chemical screening and ranking. Data processing was conducted to 1) ensure that valid data were used for all data elements, 2) to screen records to eliminate facilities unlikely to have reported chemicals in RCRA wastes, and 3) to screen data to generate the quantity data for those chemical wastes that were most likely to be relevant to the RCRA program. These steps are described below. The table and figure at the end of this section summarize the data elements included in the TRI data analysis.

C.1 Processing Data Elements

Data elements for chemical quantities in the Form R may be entered as a number or as a letter signifying chemical quantities within specified ranges (e.g. 0-10 pounds, 10-500 pounds, etc.). Ranges were converted to single values by assuming the actual quantity was equal to the average of the lower and upper end of the range (e.g. a 0-10 pound range would be converted to 5 pounds, a 10-500 pound range would be converted to 255 pounds, and so forth). While this is only an estimate, the error introduced is small since the one would expect over- and under-estimates to cancel out to some degree in overall totals. In addition, the total quantity associated with reported ranges is small compared to the total amount of chemical quantities reported.

C.2 Screening to Eliminate Non-Relevant Facilities

Form R for facilities that did not report a RCRA ID Number (TRI data element 4.8) were eliminated on the basis that facilities generating RCRA-relevant waste in significant quantities would have a RCRA ID number. Since facilities with RCRA ID numbers may generate chemicals in wastes that are not RCRA-relevant, including all Form R data from all facilities with RCRA ID numbers will over-estimate the quantity of chemical that is in RCRA-relevant waste. Since it would not be possible to determine which specific portion of a reported chemical quantity was in a RCRA-relevant waste, for purposes of this analysis it was considered acceptable to overestimate the RCRA quantity.

C.3 Screening to Identify RCRA-Relevant Waste Forms

Data elements in the Form R considered relevant to RCRA wastes were summed together to generate an estimate of the RCRA-relevant portion of chemicals generated. Certain data were also excluded to avoid double-counting of chemical quantities. In general the Form R data elements that were included in generating the quantity estimates were the data elements for recycling, energy recovery, and treatment (elements 8.2 - 8.7), for release to

Underground Injection Control (UIC) well (element 5.4), and for release/disposal to land (elements 5.5.1 - 5.5.4 and 6.2). UIC quantities were only included if a UIC number was also listed for the facility, since Class I wells that can accept RCRA wastes are required to have a UIC number. Data in element 6.2 (transfers to other off-site locations) was only included if the chemical was indicated as being sent for disposal. Including data from section 6.2 for chemicals sent off-site for treatment, recycling, etc. would potentially double-count quantities already included in Section 8 data. Similarly, Section 6.1 data for releases to POTWs were not included, as this would overlap with releases to off-site treatment.

Section 8.8 data relating to releases from remedial activities and catastrophic event releases were also not included in the quantity totals. This was because the focus was on wastes amenable to source reduction. While to a certain degree one-time releases may be amenable to reduction through waste minimization practices such as spill prevention programs, it was decided that these wastes would not be included in the quantity calculations.

C.4 Quantities and Facility Counts By Chemical

Once range information had been converted to quantities and the facilities without RCRA ID numbers were removed from the data set, the data elements identified in Section E.3 above were summed within each record and then across records by chemical to generate data for the chemical quantity. Facility counts for each chemical were generated by counting the number of Form Rs for the chemical with unique facility ID numbers.

TRI Data Elements Incorporated into WASTE MINIMIZATION Measurement Method

	All Production-Related TRI Elements	Screens 1 & 2	Screen 3: RCRA-Relevant Waste Forms
TRI Chemicals in Waste	TRI data elements 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 5.1, 5.2, 5.3, 5.4, 5.5, 6.2c (disposal only)	Screen consists of selecting the Form R responses relating to listed TRI chemicals that appear as constituents in RCRA wastes.	TRI data elements 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 5.4, 5.5, 6.2c (disposal only)
Total Quantity Released / Disposed of	TRI data elements 5.1, 5.2, 5.3, 5.4, 5.5, 6.2c (disposal only)		TRI data elements 5.4, 5.5, 6.2c (disposal only)
Recycled Onsite	TRI data element 8.4		TRI data element 8.4
Recycled Offsite	TRI data element 8.5		TRI data element 8.5
Energy Recovery Onsite	TRI data element 8.2		TRI data element 8.2
Energy Recovery Offsite	TRI data element 8.3		TRI data element 8.3
Treated Onsite	TRI data element 8.6		TRI data element 8.6
Treated Offsite	TRI data element 8.7		TRI data element 8.7
Underground Injections	TRI data element 5.4		TRI data element 5.4
Releases to Land	TRI data element 5.5		TRI data element 5.5

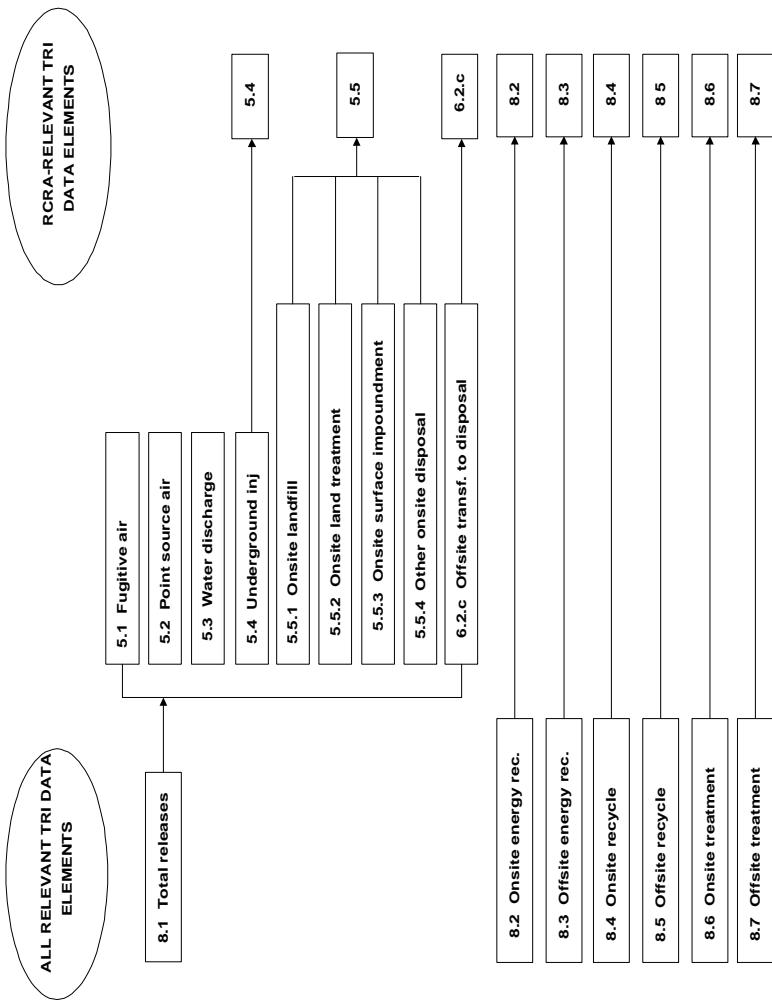


Figure 1. Mapping from 1995 TRI data elements to RCRA-relevant waste forms.